

Copyright (c) 1993 - 2004 Compugen Ltd.

On nucleic - nucleic search, using sw model

Run on: March 22, 2004, 05:06:41 ; Search time 10:5017 seconds
 (without alignments)
 7749.384 Million cell updates/sec

Title: US-09-308-080-4

Perfect score: 22

Sequence: 1 CAGAAAGCAACTGGCAGATT 22

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 2438257 seqs, 1849576744 residues

Total number of hits satisfying chosen parameters: 4876514

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing First 45 summaries

Database :

Published Applications NA: *

- 1: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US07_PUBCOMB.seq:*
- 2: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US06_NEW_PUB.seq:*
- 3: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US06_PUBCOMB.seq:*
- 4: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US06_PUBCOMB.seq:*
- 5: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US07_NEW_PUB.seq:*
- 6: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US07_PUBCOMB.seq:*
- 7: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US08_PUBCOMB.seq:*
- 8: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US08_PUBCOMB.seq:*
- 9: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US09A_PUBCOMB.seq:*
- 10: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US09A_PUBCOMB.seq:*
- 11: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US10A_NEW_PUB.seq:*
- 13: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US10A_PUBCOMB.seq:*
- 14: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US10S_PUBCOMB.seq:*
- 15: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US10C_PUBCOMB.seq:*
- 16: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US10C_PUBCOMB.seq:*
- 17: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US60_NEW_PUB.seq:*
- 18: /cgn2_6/_ptodata/2/pubnra/2/pubnra/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	22	100.0	239	12 US-10-081-783A-28135	Sequence 28135, A
C 2	22	100.0	239	15 US-10-241-533A-28135	Sequence 28135, A
C 3	18.8	85.5	1525	15 US-10-369-493_36086	Sequence 36086, A
C 4	18.4	83.6	1030	15 US-10-022-632-121185	Sequence 121185, A
C 5	17.4	79.1	321	11 US-09-866-408A-3113	Sequence 3113, AP
C 6	17.4	79.1	1140	12 US-10-423-114-362277	Sequence 362277, A
C 7	17.4	79.1	18529	14 US-10-198-846-12599	Sequence 12599, A
C 8	17.4	79.1	319630	15 US-10-398-221-7	Sequence 7, App1
C 9	17.4	79.1	715517	15 US-10-027-632-53712	Sequence 53712, A
C 10	17.4	79.1	3011208	15 US-10-398-221-2058	Sequence 2058, AP
C 11	17.2	78.2	497	15 US-10-022-632-27385	Sequence 27385, A
C 12	17.2	78.2	720	15 US-10-369-493-27965	Sequence 27965, A
C 13	17.2	78.2	735	15 US-10-369-493-30720	Sequence 30720, A
C 14	17.2	78.2	944	15 US-10-027-632-15903	Sequence 15903, A
C 15	17.2	78.2	1062	12 US-10-282-122A-41874	Sequence 41874, A

ALIGNMENTS

RESULT 1
 US-10-085-783A-28135/c
 Sequence 28135, Application US/10085783A
 ; Publication No. US20040037841A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ChondroGene Inc.
 ; ATTORNEY: Liev, C.C.
 ; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
 ; FILE REFERENCE: 4231/2002
 ; CURRENT APPLICATION NUMBER: US/10/085/783A
 ; CURRENT FILING DATE: 2000-02-28
 ; PRIOR APPLICATION NUMBER: US 60/305,340
 ; PRIOR FILING DATE: 2001-07-13
 ; PRIOR APPLICATION NUMBER: US 60/275,017
 ; PRIOR FILING DATE: 2001-01-12
 ; PRIOR APPLICATION NUMBER: US 60/271,955
 ; PRIOR FILING DATE: 2001-02-28
 ; NUMBER OF SEQ ID NOS: 5894
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 28135
 ; LENGTH: 239
 ; TYPE: DNA
 ; ORGANISM: Human
 US-10-085-783A-28135

Query Match Score 22; DB 12; Length 239;
 Best Local Similarity 100.0%; Pred. No. 0.69;
 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CAGCAAGCAACTGGCAGATT 22
 Db 232 CAGCAAGCACTGGCAGATC 211

RESULT 2
 US-10-242-535A-28135/c
 Sequence 28135, Application US/10242535A
 ; Publication No. US20040013663A1

GENERAL INFORMATION:
 APPLICANT: ChondroGene Inc.
 APPLICANT: Liew, C.C.
 TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
 FILE REFERENCE: 42312005
 CURRENT APPLICATION NUMBER: US/10/2422,535A
 CURRENT FILING DATE: 2002-09-12
 PRIOR APPLICATION NUMBER: US 10/085,783
 PRIOR FILING DATE: 2002-02-28
 PRIOR APPLICATION NUMBER: US 60/305,340
 PRIOR FILING DATE: 2001-07-13
 PRIOR APPLICATION NUMBER: US 60/275,017
 PRIOR FILING DATE: 2001-03-12
 PRIOR APPLICATION NUMBER: US 60/271,955
 PRIOR FILING DATE: 2001-02-28
 NUMBER OF SEQ ID NOS: 58994
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 28135
 LENGTH: 239
 TYPE: DNA
 ORGANISM: Human
 US-10-2422-535A-28135

Query Match 100 %; Score 22; DB 15; Length 239;
 Best Local Similarity 100.0%; Pred. No. 0.69%; Indels 0; Gaps 0;

Qy 1 CAGCAANGCAATGGCGGATTC 22
 Db 232 CAGCAANGCAACTGGCGGATTC 211

RESULT 3
 US-10-369-493-36086
 / Sequence 36086, Application US/10369493
 / Publication No. US20030333679A1
 GENERAL INFORMATION
 / APPLICANT: Cao, Yongwei
 / APPLICANT: Hinkle, Gregory J.
 / APPLICANT: Slater, Steven C.
 / APPLICANT: Goldman, Barry S.
 / APPLICANT: Chen, Xianfeng
 / TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
 / FILE REFERENCE: 38-10-(52052)B
 / CURRENT APPLICATION NUMBER: US/10/369,493
 / CURRENT FILING DATE: 2003-02-28
 / PRIOR APPLICATION NUMBER: US 60/360,039
 / PRIOR FILING DATE: 2002-02-21
 / NUMBER OF SEQ ID NOS: 47374
 / SEQ ID NO: 36086
 / LENGTH: 1525
 / TYPE: DNA
 / ORGANISM: Aspergillus nidulans
 US-10-369-493-36086

Query Match 85.5%; Score 18.8; DB 15; Length 1525;
 Best Local Similarity 90.9%; Pred. No. 32%; Indels 0; Gaps 0;

Qy 1 CAGCAANGCAACTGGCGGATTC 22
 Db 1004 CAGCAANGCAACTGGCGAATTC 1025

RESULT 4
 US-10-027-632-121185
 / Sequence 121185, Application US/10027632
 / Publication No. US200304075A9
 GENERAL INFORMATION
 / APPLICANT: Wang, David G.
 / TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 / Polymorphisms in the Human Genome

US-10-425-114-36277/c Sequence 36277, Application US/10425114
 Publication No. US2004001488821
 GENERAL INFORMATION:
 ; APPLICANT: Liu, Jingdong
 ; APPLICANT: Zhou, Yihua
 ; APPLICANT: Kovlic, David K.
 ; APPLICANT: Screen, Steven E
 ; APPLICANT: Tabaska, Jack E
 ; APPLICANT: Cao, Yongwei
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement
 FILE REFERENCE: 3B-21(5313) B
 CURRENT APPLICATION NUMBER: US/10/425,114
 CURRENT FILING DATE: 2003-04-28
 NUMBER OF SEQ ID NOS: 73128
 SEQ ID NO 36277 LENGTH: 1140
 TYPE: DNA ORGANISM: Zea mays subsp. mexicana
 FEATURE: OTHER INFORMATION: Clone ID: UC-ZNROTEOSINTE072302_FLI
 US-10-425-114-36277
 Query Match 79.1%; Score 17.4; DB 12; Length 1140;
 Best Local Similarity 94.7%; Pred. No. 1.5e+02; Indels 0; Gaps 0;
 Matches 18; Conservative 0; Mismatches 1;
 Qy 1 CAGCAAAGCAACTGGCAGA 19
 Db 528 CAGCAAGCAATGGCAGA 510
 RESULT 7
 US-10-198-846-12599/c Sequence 12599, Application US/10198846
 GENERAL INFORMATION:
 ; Publication No. US2003009974A1
 ; APPLICANT: Lillie, James
 ; APPLICANT: Xu, Yongyao
 ; APPLICANT: Wang, Youzhen
 ; APPLICANT: Steinmann, Kathleen
 ; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND TREATMENT OF BREAST CANCER
 FILE REFERENCE: MRI-049
 CURRENT APPLICATION NUMBER: US/10/198,846
 CURRENT FILING DATE: 2002-07-18
 PRIOR APPLICATION NUMBER: 60/300,220
 NUMBER OF SEQ ID NOS: 14084
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 12599 LENGTH: 18529
 TYPE: DNA ORGANISM: Homo sapiens
 US-10-198-846-12599
 Query Match 79.1%; Score 17.4; DB 14; Length 18529;
 Best Local Similarity 94.7%; Pred. No. 2.2e+02; Indels 0; Gaps 0;
 Matches 18; Conservative 0; Mismatches 1;
 Qy 1 CAGCAAAGCAACTGGCAGA 19
 Db 12657 CAGCAAGCAATGGCAGA 12639
 RESULT 8
 US-10-398-221-7/c Sequence 7, Application US/10398221
 ; Publication No. US20040018514A1
 GENERAL INFORMATION:
 ; APPLICANT: Glaser, Philippe
 ; TITLE OF INVENTION: Listeria innocua, genome and applications
 FILE REFERENCE: 344 702 - US
 CURRENT APPLICATION NUMBER: US/10/398,221
 CURRENT FILING DATE: 2003-03-27
 PRIOR APPLICATION NUMBER: PCT/FR 01/03 061
 PRIORITY FILING DATE: 2001-10-04
 PRIORITY APPLICATION NUMBER: FR 00/12 697
 PRIORITY FILING DATE: 2000-10-04
 NUMBER OF SEQ ID NOS: 4025
 SOFTWARE: PatentIn version 3.0
 SEQ ID NO 7 LENGTH: 319530
 TYPE: DNA ORGANISM: Listeria innocua
 FEATURE: NAME/KEY: misc_feature LOCATION: (1). (end)
 OTHER INFORMATION: n can be any nucleotide: a, g, c or t/u
 US-10-398-221-7
 Query Match 79.1%; Score 17.4; DB 15; Length 319530;
 Best Local Similarity 94.7%; Pred. No. 3.3e+02; Indels 0; Gaps 0;
 Matches 18; Conservative 0; Mismatches 0;
 Qy 1 CAGCAAAGCAACTGGCAGA 19
 Db 122457 CAGCCCAAGCAACTGGCAGA 1224339
 RESULT 9
 US-10-027-632-53712/C
 Sequence 53712, Application US/10027632
 ; Publication No. US20030204075A9
 GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
 FILE REFERENCE: 1098827.129
 CURRENT APPLICATION NUMBER: US/10/027,632
 CURRENT FILING DATE: 2002-04-30
 PRIOR APPLICATION NUMBER: US 60/218,006
 PRIOR FILING DATE: 2000-07-12
 PRIOR APPLICATION NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-02-24
 PRIOR APPLICATION NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIOR APPLICATION NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 53712 LENGTH: 715517
 TYPE: DNA ORGANISM: Human
 FEATURE: NAME/KEY: misc_feature LOCATION: (1)...(715517)
 OTHER INFORMATION: n = A,T,C or G
 US-10-027-632-53712
 Query Match 79.1%; Score 17.4; DB 15; Length 715517;
 Best Local Similarity 94.7%; Pred. No. 3.6e+02; Indels 0; Gaps 0;
 Matches 18; Conservative 0; Mismatches 0;
 Qy 2 AGCAAGCAACTGGCAGAT 20
 Db 12657 CAGCAAGCAATGGCAGA 12639

Db 470140 AGCAAGCAACTGGCATAT 470122

RESULT 10
 US-10-398-221-2058
 ; Sequence 2058, Application US/10398221
 ; Publication No. US2004018514A1
 ; GENERAL INFORMATION:
 ; APPLICANT: KUNST, Frederik
 ; TITLE OF INVENTION: Listeria innocua, genome and applications
 ; FILE REFERENCE: 344_702 - US
 ; CURRENT FILING DATE: 2003-03-27
 ; PRIOR APPLICATION NUMBER: PCT/FR 01/03 061
 ; PRIOR FILING DATE: 2001-10-04
 ; PRIOR APPLICATION NUMBER: FR 00/12 697
 ; PRIOR FILING DATE: 2000-10-04
 ; NUMBER OF SEQ ID NOS: 4025-
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO: 2058
 ; LENGTH: 3011208
 ; TYPE: DNA
 ; ORGANISM: Listeria innocua
 ; US-10-398-221-2058

Query Match 79.1%; Score 17.4; DB 15; Length 3011208;
 Best Local Similarity 94.7%; Pred. No. 3.8e+02;
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CAGCAAAGCAACTGGCAGA 19
 Db 1994973 CAGCCRANGCAACTGGCAGA 1994991

RESULT 11
 US-10-027-632-273805
 ; Sequence 273805, Application US/10027632
 ; Publication No. US20030204072A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 ; FILE REFERENCE: 101627.129
 ; CURRENT APPLICATION NUMBER: US/10/027..632
 ; PRIOR APPLICATION NUMBER: US 60/218,006
 ; PRIOR FILING DATE: 2000-07-12
 ; PRIOR APPLICATION NUMBER: US 60/198,676
 ; PRIOR FILING DATE: 2000-04-30
 ; PRIOR APPLICATION NUMBER: US 60/193,483
 ; PRIOR FILING DATE: 2000-03-29
 ; PRIOR APPLICATION NUMBER: US 60/185,218
 ; PRIOR FILING DATE: 2000-02-24
 ; PRIOR APPLICATION NUMBER: US 60/167,363
 ; PRIOR FILING DATE: 1999-11-23
 ; PRIOR APPLICATION NUMBER: US 60/156,358
 ; PRIOR APPLICATION NUMBER: US 60/146,002
 ; PRIOR FILING DATE: 1999-08-09
 ; NUMBER OF SEQ ID NOS: 322720
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 273805
 ; LENGTH: 497
 ; TYPE: DNA
 ; ORGANISM: Human

Query Match 78.2%; Score 17.2; DB 15; Length 497;
 Best Local Similarity 86.4%; Pred. No. 1.6e+02;
 Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CAGCAAAGCAACTGGCAGATTG 22
 Db 354 CAGCAATGCACCTGTAGATTG 333

RESULT 12
 US-10-369-493-27965/C
 ; Sequence 27965, Application US/10369493
 ; Publication No. US20030233675A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cao, Yongwei
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Chen, Xianfeng
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
 ; FILE REFERENCE: 38-10152052/B
 ; CURRENT APPLICATION NUMBER: US/10/369,493
 ; CURRENT FILING DATE: 2003-02-28
 ; PRIOR APPLICATION NUMBER: US 60/360,039
 ; PRIOR FILING DATE: 2002-02-21
 ; NUMBER OF SEQ ID NOS: 4734
 ; SEQ ID NO: 27965
 ; LENGTH: 720
 ; TYPE: DNA
 ; ORGANISM: Burkholderia fungorum
 ; US-10-369-493-27965

Query Match 78.2%; Score 17.2; DB 15; Length 720;
 Best Local Similarity 86.4%; Pred. No. 1.7e+02;
 Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CAGAAAGCAACTGGCAGATTG 22
 Db 348 CAGCAATGCACCTGTAGATTG 327

RESULT 13
 US-10-369-493-30720/C
 ; Sequence 30720, Application US/10369493
 ; Publication No. US20030233675A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cao, Yongwei
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Chen, Xianfeng
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
 ; FILE REFERENCE: 38-10152052/B
 ; CURRENT APPLICATION NUMBER: US/10/369,493
 ; CURRENT FILING DATE: 2003-02-28
 ; PRIOR APPLICATION NUMBER: US 60/360,039
 ; PRIOR FILING DATE: 2002-02-21
 ; NUMBER OF SEQ ID NOS: 4734
 ; SEQ ID NO: 30720
 ; LENGTH: 735
 ; TYPE: DNA
 ; ORGANISM: Burkholderia cepacia
 ; US-10-369-493-30720

Query Match 78.2%; Score 17.2; DB 15; Length 735;
 Best Local Similarity 86.4%; Pred. No. 1.7e+02;
 Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CAGCAAGCAACTGGCAGATTG 22
 Db 354 CAGCAATGCACCTGTAGATTG 333

RESULT 14
 US-10-027-632-159083
 ; Sequence 159083, Application US/10027632

Publication No. US20030204075A9
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 FILE REFERENCE: 108127.129
 CURRENT APPLICATION NUMBER: US/10/0277,632
 PRIOR APPLICATION NUMBER: US/10/0277,632
 PRIOR FILING DATE: 2000-04-30
 PRIOR APPLICATION NUMBER: US 60/218,006
 PRIOR FILING DATE: 2000-07-12
 PRIOR APPLICATION NUMBER: US 60/199,676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-02-24
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: US 60/155,358
 PRIOR FILING DATE: 1999-09-28
 PRIOR APPLICATION NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325/20
 LENGTH: 944
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 159083
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-159083

Query Match 15 / Score 17.2%; DB 15; Length 944;
 Best Local Similarity 86.4%; Pred. No. 1.8e+02;
 Matches 19; Conservative 0; Mismatches 3;
 Indels 0; Gaps 0;

Qy 1 CAGGAAAGCAACTGGCAGATTIC 22
 Db 824 CAGCAAAGCACATGCCAGACTC 845

RESULT 15
 US-10-282-122A-41874
 Sequence 41874, Application US/10282122A
 Publication No. US20040029129A1

GENERAL INFORMATION:
 APPLICANT: Wang, Lianggu
 APPLICANT: Zamudio, Carlos
 APPLICANT: Malone, Cherry
 APPLICANT: Hasselbeck, Robert
 APPLICANT: Ohlsen, Kari
 APPLICANT: Zyskind, Judith
 APPLICANT: Wall, Daniel
 APPLICANT: Trawick, John
 APPLICANT: Carr, Grant
 APPLICANT: Yamamoto, Robert
 APPLICANT: Forsyth, R.
 APPLICANT: Xu, H.
 TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
 FILE REFERENCE: ELITRA 034A
 CURRENT FILING DATE: 2003-02-20
 PRIOR APPLICATION NUMBER: 60/191,078
 PRIOR FILING DATE: 2000-03-21
 PRIOR APPLICATION NUMBER: 60/205,848
 PRIOR FILING DATE: 2000-05-23
 PRIOR APPLICATION NUMBER: 60/207,727
 PRIOR FILING DATE: 2000-05-26
 PRIOR APPLICATION NUMBER: 60/230,335
 PRIOR FILING DATE: 2000-09-06
 PRIOR APPLICATION NUMBER: 60/230,347
 PRIOR FILING DATE: 2000-09-09
 PRIOR APPLICATION NUMBER: 60/242,578
 PRIOR FILING DATE: 2000-10-23
 PRIOR APPLICATION NUMBER: 60/253,625

PRIOR FILING DATE: 2000-11-27
 PRIOR APPLICATION NUMBER: 60/257,931
 PRIOR FILING DATE: 2000-12-22
 PRIOR APPLICATION NUMBER: 60/267,636
 PRIOR FILING DATE: 2001-02-09
 PRIOR APPLICATION NUMBER: 60/269,308
 PRIOR FILING DATE: 2001-02-16
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 78614
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 41874
 LENGTH: 1062
 Query Match 15 / Score 17.2%; DB 12;
 Best Local Similarity 86.4%; Pred. No. 1.8e+02;
 Matches 19; Conservative 0; Mismatches 3;
 Indels 0; Gaps 0;

Qy 1 CAGCAAGCAACTGGCAGATTIC 22
 Db 749 CAGCCAGCATGGGAGATTC 770

US-10-282-122A-41874

Search completed: March 22, 2004, 07:37:06
 Job time : 17.5017 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 22, 2004, 04:12:41 ; Search time 2.96575 seconds

4116.644 Million cell updates/sec

Title: US-09-308-080-4

Perfect score : 22

Sequence: 1 CAGCAAGCAACTGGCAGATT 22

Scoring table: IDENTITY NUC

Gapop 10⁻⁶ , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
 1: /cgn2_6/ptodata/2/ina/5A_COMB.seq;
 2: /cgn2_6/ptodata/2/ina/5B_COMB.seq;
 3: /cgn2_6/ptodata/2/ina/6A_COMB.seq;
 4: /cgn2_6/ptodata/2/ina/6B_COMB.seq;
 5: /cgn2_6/ptodata/2/ina/6PCTUS_COMB.seq;*
 6: /cgn2_6/ptodata/2/ina/backfile61.seq;*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

ALIGNMENTS

RESULT 1
US-09-285-601-1/c

; Sequence 1, Application US/09285601
; Patent No. 6248528
; GENERAL INFORMATION:
; APPLICANT: Preiner, Nelson
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND TREATMENT OF NEUROPSYCHIATRIC DISORDERS
; FILE REFERENCE: 7853-4089
; CURRENT APPLICATION NUMBER: US/09-285-601
; CURRENT FILING DATE: 1998-04-12
; EARLIER APPLICATION NUMBER: 60/080,841
; EARLIER FILING DATE: 1998-04-06
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 1
; LENGTH: 1173
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; LOCATION: (49)..(564)

Query 3 GCAAGCACTGGCAGATT 22
Db 1004 GCATAATCTACTGGAGATT 985

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
C 1	16.8	76.4	1173	US-09-285-601-1
C 2	16.8	76.4	6709	Sequence 1, Appli
C 3	16.8	74.5	1080	Sequence 2, Appli
C 4	16.4	74.5	6773	Sequence 3, Appli
C 5	16.2	73.6	951	Sequence 4, Appli
C 6	16.2	73.6	1830121	Sequence 5, Appli
C 7	16.2	73.6	1830121	Sequence 6, Appli
C 8	15.8	71.8	438	Sequence 7, Appli
C 9	15.8	71.8	452	Sequence 8, Appli
C 10	15.8	71.8	638	Sequence 9, Appli
C 11	15.8	71.8	638	Sequence 10, Appli
C 12	15.8	71.8	1060	Sequence 11, Appli
C 13	15.8	71.8	1097	Sequence 12, Appli
C 14	15.8	71.8	1097	Sequence 13, Appli
C 15	15.8	71.8	1097	Sequence 14, Appli
C 16	15.8	71.8	1107	Sequence 15, Appli
C 17	15.8	71.8	1107	Sequence 16, Appli
C 18	15.8	71.8	1109	Sequence 17, Appli
C 19	15.8	71.8	1109	Sequence 18, Appli
C 20	15.8	71.8	1112	Sequence 19, Appli
C 21	15.8	71.8	1112	Sequence 20, Appli
C 22	15.8	71.8	1124	Sequence 21, Appli
C 23	15.8	71.8	1124	Sequence 22, Appli
C 24	15.8	71.8	2784	Sequence 23, Appli
C 25	15.8	71.8	2784	Sequence 24, Appli
C 26	15.8	71.8	2784	Sequence 25, Appli
C 27	15.8	71.8	6585	Sequence 26, Appli

**RESULT 2
US-09-285-601-3/c**

; Sequence 3, Application US/09285601
; Patent No. 6248528
; GENERAL INFORMATION:
; APPLICANT: Preiner, Nelson
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND TREATMENT OF NEUROPSYCHIATRIC DISORDERS
; FILE REFERENCE: 7853-089
; CURRENT APPLICATION NUMBER: US/09-285-601
; CURRENT FILING DATE: 1999-04-02
; EARLIER APPLICATION NUMBER: 60/080,841
; EARLIER FILING DATE: 1998-04-06
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.0

CITY: ARLINGTON
 STATE: VA
 COUNTRY: USA
 ZIP: 22201
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/906,156A
 FILING DATE: 05-AUG-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/042,655
 FILING DATE: 02-APR-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/033,147
 FILING DATE: 22-OCT-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: SADOFF, B.J.
 REGISTRATION NUMBER: 36,663
 REFERENCE/DOCKET NUMBER: 1090-14
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 703-816-4000
 TELEFAX: 703-816-4100
 INFORMATION FOR SEQ ID NO: 18:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 638 base Pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ORGANISM: Part of gene corresponding to IMAGE 264611
 US-08-906-156A-18

Query Match Score 71.8%; Length 638;
 Best Local Similarity 89.5%; Pred. No. 1e+02; Mismatches 2; Indels 0; Gaps 0;

RESULT 11
 US-08-906-156A-66/c
 Sequence 66 Application US/08906156A
 Patent No. 6287854
 GENERAL INFORMATION:
 APPLICANT: SPUR, NIGEL K
 APPLICANT: GRAY, IAN C
 APPLICANT: STEWART, LORNA M
 TITLE OF INVENTION: DIAGNOSIS OF SUSCEPTIBILITY TO CANCER
 NUMBER OF SEQUENCES: 94
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: NIXON & VANDERHVE P.C.
 STREET: 1100 NORTH GLEBE ROAD
 CITY: ARLINGTON
 STATE: VA
 COUNTRY: USA
 ZIP: 22201
 COMPUTER READABLE FORM: Floppy disk
 MEDIUM TYPE: Floppy disk

1 SOFTWARE: PatentIn Ver. 2.0
 1 SEQ ID NO: 47
 1 LENGTH: 1060
 1 TYPE: DNA
 1 ORGANISM: *Forsythia* x intermedia
 1 FEATURE:
 1 NAME/KEY: CDS
 1 LOCATION: (28) .. (963)
 1

Query Match 71.8%; Score 15.8; DB 3;
 Best Local Similarity 89.5%; Prd. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

Qy 1 CAGGAAAGCAACTGGCAGA 19
 Db 514 CAGGAAAGCAATTGGCAGA 496

RESULT 13
 US-09-704-640-47/C
 Sequence 47, Application US/09/04640
 Patent No. 6635459
 GENERAL INFORMATION:
 1 APPLICANT: Lewis, No. 6635459man G.
 1 APPLICANT: Davin, Laurence B.
 1 APPLICANT: Dinkova-Kostova, Albena T.
 1 APPLICANT: Fujita, Masayuki
 1 APPLICANT: Gang, David R.
 1 APPLICANT: Sarkane, Simo
 1 APPLICANT: Ford, Joshua D
 1 TITLE OF INVENTION: RECOMBINANT PINORESINOL/LARICRESINOL REDUCTASE,
 1 TITLE OF INVENTION: RECOMBINANT DIRIGENT PROTEIN AND METHODS OF USE
 1 FILE REFERENCE: WSR-1-16492
 1 CURRENT APPLICATION NUMBER: US/09/704, 640
 1 CURRENT FILING DATE: 2000-11-02
 1 PRIORITY NUMBER: 09/475, 316
 1 PRIORITY FILING DATE: 1999-12-30
 1 PRIORITY NUMBER: 09/307, 653
 1 PRIORITY FILING DATE: 1999-05-07
 1 PRIORITY NUMBER: PCT/US97/20391
 1 PRIORITY FILING DATE: 1997-11-07
 1 PRIORITY NUMBER: 60/054, 380
 1 PRIORITY FILING DATE: 1996-11-08
 1 PRIORITY NUMBER: 60/030, 522
 1 SOFTWARE: PatentIn Ver. 2.0
 1 SEQ ID NO: 47
 1 TYPE: DNA
 1 ORGANISM: *Forsythia* x intermedia
 1 FEATURE:
 1 NAME/KEY: CDS
 1 LOCATION: (28) .. (963)
 1

Query Match 71.8%; Score 15.8; DB 4;
 Best Local Similarity 89.5%; Prd. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

Qy 1 CAGGAAAGCAACTGGCAGA 19
 Db 514 CAGGAAAGCAATTGGCAGA 496

RESULT 14
 US-09-475-316A-53/C
 Sequence 53, Application US/09475316A
 Patent No. 6210942
 GENERAL INFORMATION:
 1 APPLICANT: Lewis, No. 6210942man G.
 1 APPLICANT: Davin, Laurence B.

i LOCATION: (29) .. (964)
US-09-704-640-53

Query Match 71.8%; Score 15.8; DB 4; Length 1097;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 CAGCAAAAGCAACTGGCAGA 19
Db 515 CAGCAAAAGCAATTGAGA 497

Search completed: March 22, 2004, 05:37:18
Job time : 8.96575 secs

GeCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 22, 2004, 05:05:41 ; Search time 10.5017 Seconds
(without alignments)

7749.384 Million cell updates/sec

Title: US-09-308-080-3

Perfect score: 22

Sequence: 1 TGCATATGAGGGGCC 22

Scoring table: IDENTITY NUC

Gapext 1.0

Searched: 2438257 seqs., 1849576744 residues

Total number of hits satisfying chosen parameters: 4876514

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

```

1: /cg2-6/ptodata/2/pubnra/US07_PUBCOMB.seq:*
2: /cg2-6/ptodata/2/pubnra/US07_PUBCOMB.seq:*
3: /cg2-6/ptodata/2/pubnra/US07_PUBCOMB.seq:*
4: /cg2-6/ptodata/2/pubnra/US06_PUBCOMB.seq:*
5: /cg2-6/ptodata/2/pubnra/US06_PUBCOMB.seq:*
6: /cg2-6/ptodata/2/pubnra/PTCUS_PUBCOMB.seq:*
7: /cg2-6/ptodata/2/pubnra/PUBNRA_NEW_PUBCOMB.seq:*
8: /cg2-6/ptodata/2/pubnra/US08_PUBCOMB.seq:*
9: /cg2-6/ptodata/2/pubnra/US09_PUBCOMB.seq:*
10: /cn2-6/ptodata/2/pubnra/US09C_PUBCOMB.seq:*
11: /cn2-6/ptodata/2/pubnra/US09C_PUBCOMB.seq:*
12: /cn2-6/ptodata/2/pubnra/US09_NEW_PUBCOMB.seq:*
13: /cn2-6/ptodata/2/pubnra/US10A_PUBCOMB.seq:*
14: /cn2-6/ptodata/2/pubnra/US10B_PUBCOMB.seq:*
15: /cn2-6/ptodata/2/pubnra/US10C_PUBCOMB.seq:*
16: /cn2-6/ptodata/2/pubnra/US10_NEW_PUBCOMB.seq:*
17: /cn2-6/ptodata/2/pubnra/US60_NEW_PUBCOMB.seq:*
18: /cn2-6/ptodata/2/pubnra/US60_PUBCOMB.seq:*
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	19.4	88.2	989	12	US-10-424-599-47777
2	17.2	78.2	625	15	US-10-027-632-198805
3	17.2	78.2	625	15	US-10-027-632-198806
C 4	17.2	78.2	1639	12	US-10-425-114-2499
C 5	17.2	77.3	766	15	US-10-027-632-33185
C 6	16.8	76.4	62	15	US-10-027-632-52730
C 7	16.8	76.4	860	12	US-10-424-599-13933
C 8	16.8	76.4	2443	15	US-10-027-632-110611
C 9	16.8	76.4	2443	15	US-10-027-632-110612
C 10	16.8	76.4	386778	15	US-10-027-632-174961
C 11	16.6	75.5	5035	10	US-09-814-353-19466
C 12	16.4	74.5	10464	9	US-09-957-974-1
C 13	16.4	74.5	406	9	US-09-783-90-728
C 14	16.2	73.6	586	15	US-10-341-961A-343
C 15	16.2	73.6			

US-10-424-599-47777

; LENGTH: 989

; TYPE: DNA

; ORGANISM: Glycine max

; FEATURE:

; OTHER INFORMATION: Clone ID: PAT_MRT3847_143149C.1

; SEQ ID NO: 47777

; LENGTH: 989

; Mismatches: 0; Indels: 0; Gaps: 0;

; Matches: 20; Conservative: 0;

; Best Local Similarity: 95.2%; Pred. No.: 7.6;

; Score: 19.4; DB 12;

; Sequence 198805,

; Sequence 198806,

; Sequence 198807,

; Sequence 198808,

; Sequence 198809,

; Sequence 198810,

; Sequence 198811,

; Sequence 198812,

; Sequence 198813,

; Sequence 198814,

; Sequence 198815,

; Sequence 198816,

; Sequence 198817,

; Sequence 198818,

; Sequence 198819,

; Sequence 198820,

; Sequence 198821,

; Sequence 198822,

; Sequence 198823,

; Sequence 198824,

; Sequence 198825,

; Sequence 198826,

; Sequence 198827,

; Sequence 198828,

; Sequence 198829,

; Sequence 198830,

; Sequence 198831,

; Sequence 198832,

; Sequence 198833,

; Sequence 198834,

; Sequence 198835,

; Sequence 198836,

; Sequence 198837,

; Sequence 198838,

; Sequence 198839,

; Sequence 198840,

; Sequence 198841,

; Sequence 198842,

; Sequence 198843,

; Sequence 198844,

; Sequence 198845,

; Sequence 198846,

; Sequence 198847,

; Sequence 198848,

; Sequence 198849,

; Sequence 198850,

; Sequence 198851,

; Sequence 198852,

; Sequence 198853,

; Sequence 198854,

; Sequence 198855,

; Sequence 198856,

; Sequence 198857,

; Sequence 198858,

; Sequence 198859,

; Sequence 198860,

; Sequence 198861,

; Sequence 198862,

; Sequence 198863,

; Sequence 198864,

; Sequence 198865,

; Sequence 198866,

; Sequence 198867,

; Sequence 198868,

; Sequence 198869,

; Sequence 198870,

; Sequence 198871,

; Sequence 198872,

; Sequence 198873,

; Sequence 198874,

; Sequence 198875,

; Sequence 198876,

; Sequence 198877,

; Sequence 198878,

; Sequence 198879,

; Sequence 198880,

; Sequence 198881,

; Sequence 198882,

; Sequence 198883,

; Sequence 198884,

; Sequence 198885,

; Sequence 198886,

; Sequence 198887,

; Sequence 198888,

; Sequence 198889,

; Sequence 198890,

; Sequence 198891,

; Sequence 198892,

; Sequence 198893,

; Sequence 198894,

; Sequence 198895,

; Sequence 198896,

; Sequence 198897,

; Sequence 198898,

; Sequence 198899,

; Sequence 198900,

; Sequence 198901,

; Sequence 198902,

; Sequence 198903,

; Sequence 198904,

; Sequence 198905,

; Sequence 198906,

; Sequence 198907,

; Sequence 198908,

; Sequence 198909,

; Sequence 198910,

; Sequence 198911,

; Sequence 198912,

; Sequence 198913,

; Sequence 198914,

; Sequence 198915,

; Sequence 198916,

; Sequence 198917,

; Sequence 198918,

; Sequence 198919,

; Sequence 198920,

; Sequence 198921,

; Sequence 198922,

; Sequence 198923,

; Sequence 198924,

; Sequence 198925,

; Sequence 198926,

; Sequence 198927,

; Sequence 198928,

; Sequence 198929,

; Sequence 198930,

; Sequence 198931,

; Sequence 198932,

; Sequence 198933,

; Sequence 198934,

; Sequence 198935,

; Sequence 198936,

; Sequence 198937,

; Sequence 198938,

; Sequence 198939,

; Sequence 198940,

; Sequence 198941,

; Sequence 198942,

; Sequence 198943,

; Sequence 198944,

; Sequence 198945,

; Sequence 198946,

; Sequence 198947,

; Sequence 198948,

; Sequence 198949,

; Sequence 198950,

; Sequence 198951,

; Sequence 198952,

; Sequence 198953,

; Sequence 198954,

; Sequence 198955,

; Sequence 198956,

; Sequence 198957,

; Sequence 198958,

; Sequence 198959,

; Sequence 198960,

; Sequence 198961,

; Sequence 198962,

; Sequence 198963,

; Sequence 198964,

; Sequence 198965,

; Sequence 198966,

; Sequence 198967,

; Sequence 198968,

; Sequence 198969,

; Sequence 198970,

; Sequence 198971,

; Sequence 198972,

; Sequence 198973,

; Sequence 198974,

; Sequence 198975,

; Sequence 198976,

; Sequence 198977,

; Sequence 198978,

; Sequence 198979,

; Sequence 198980,

; Sequence 198981,

; Sequence 198982,

; Sequence 198983,

; Sequence 198984,

; Sequence 198985,

; Sequence 198986,

; Sequence 198987,

; Sequence 198988,

; Sequence 198989,

; Sequence 198990,

; Sequence 198991,

; Sequence 198992,

; Sequence 198993,

; Sequence 198994,

; Sequence 198995,

; Sequence 198996,

; Sequence 198997,

; Sequence 198998,

; Sequence 198999,

; Sequence 199000,

; Sequence 199001,

; Sequence 199002,

; Sequence 199003,

; Sequence 199004,

; Sequence 199005,

; Sequence 199006,

; Sequence 199007,

; Sequence 199008,

; Sequence 199009,

; Sequence 199010,

; Sequence 199011,

; Sequence 199012,

; Sequence 199013,

; Sequence 199014,

; Sequence 199015,

; Sequence 199016,

; Sequence 199017,

; Sequence 199018,

; Sequence 199019,

; Sequence 199020,

; Sequence 199021,

; Sequence 199022,

; Sequence 199023,

; Sequence 199024,

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome

FILE REFERENCE: 108827-129

CURRENT APPLICATION NUMBER: US/10/027,632

PRIOR APPLICATION NUMBER: US 60/218,006

PRIOR FILING DATE: 2002-04-30

PRIOR APPLICATION NUMBER: US 60/198,676

PRIOR FILING DATE: 2000-07-12

PRIOR APPLICATION NUMBER: US 60/156,358

PRIOR FILING DATE: 1999-09-28

PRIOR APPLICATION NUMBER: US 60/146,002

PRIOR FILING DATE: 1999-08-09

NUMBER OF SEQ ID NOS: 325720

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO: 198805

LENGTH: 625

TYPE: DNA

ORGANISM: Human

US-10-027-632;198805

Query Match 78.2%; Score 17.2; DB 15; Length 625;

Best Local Similarity 86.4%; Pred. No. 92; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGGAAATATGTGAGGGGACC 22

Db 19 TCGGATATGTGAGGGGACC 40

RESULT 3
US-10-027-632-198806

Sequence 198806, Application US/10027632

Publication No. US200302040739

GENERAL INFORMATION:

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

Polymorphisms in the Human Genome

FILE REFERENCE: 108827-129

CURRENT APPLICATION NUMBER: US/10/027,632

PRIOR APPLICATION NUMBER: US 60/185,218

PRIOR FILING DATE: 2000-02-24

PRIOR APPLICATION NUMBER: US 60/167,333

PRIOR FILING DATE: 1999-11-23

PRIOR APPLICATION NUMBER: US 60/156,358

PRIOR FILING DATE: 1999-09-28

PRIOR APPLICATION NUMBER: US 60/146,002

NUMBER OF SEQ ID NOS: 325720

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO: 198806

TYPE: DNA

ORGANISM: Human

US-10-027-632-198806

Query Match 78.2%; Score 17.2; DB 15; Length 625;

Best Local Similarity 86.4%; Pred. No. 92; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGGAAATATGTGAGGGGACC 22

Db 19 TCGGATATGTGAGGGGACC 40

Qy 1 TGGAAATATGTGAGGGGACC 22

Db 19 TGGATATGTGAGGGGACC 40

RESULT 4
US-10-425-114-2499/c

Sequence 2499, Application US/10425114

GENERAL INFORMATION:

Publication No. US2004034888A1

APPLICANT: Liu, Jingdong

APPLICANT: Zhou, Yihua

APPLICANT: Kovacic, David K.

APPLICANT: Screen, Steven E.

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

Plants and Uses Thereof for Plant Improvement

CURRENT APPLICATION NUMBER: US/10/425,114

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 73128

SEQ ID NO: 2499

LENGTH: 1639

TYPE: DNA

ORGANISM: Zea mays

FEATURE:

OTHER INFORMATION: Clone ID: 700213924_FLI

US-10-425-114-2499

Query Match 78.2%; Score 17.2; DB 12; Length 1639;

Best Local Similarity 86.4%; Pred. No. 1e+02; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGGAAATATGTGAGGGGACC 22

Db 55 TTCAATATGTGAGGGTAAAC 34

RESULT 5
US-10-425-114-16045/C

Sequence 16045, Application US/10425114

GENERAL INFORMATION:

Publication No. US2004034888A1

APPLICANT: Liu, Jingdong

APPLICANT: Zhou, Yihua

APPLICANT: Kovacic, David K.

APPLICANT: Screen, Steven E.

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

Plants and Uses Thereof for Plant Improvement

CURRENT APPLICATION NUMBER: US/10/425,114

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 73128

SEQ ID NO: 16045

LENGTH: 2457

TYPE: DNA

ORGANISM: Zea mays

FEATURE:

OTHER INFORMATION: Clone ID: LIB3061-045-B12_FLI

US-10-425-114-16045

Query Match 78.2%; Score 17.2; DB 12; Length 2457;

Best Local Similarity 86.4%; Pred. No. 1e+02; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGGAAATATGTGAGGGGACC 22

Db 852 TTCAATATGTGAGGGTAAAC 31

RESULT 6
 US-10-027-632-33185/c
 Sequence 33185, Application US/10027632
 Publication No. US2003024075A9
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
 FILE REFERENCE: 108827-129
 CURRENT APPLICATION NUMBER: US/10/027,632
 CURRENT FILING DATE: 2002-04-30
 PRIOR APPLICATION NUMBER: US 60/218,006
 PRIOR FILING DATE: 2000-07-12
 PRIOR APPLICATION NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 60/155,218
 PRIOR FILING DATE: 2000-02-24
 PRIOR APPLICATION NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIOR APPLICATION NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 322720
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 33185
 LENGTH: 766
 TYPE: DNA
 ORGANISM: Human
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)...(766)
 OTHER INFORMATION: n = A,T,C or G

US-10-027-632-33185
 Query Match 77.3%; Score 17; DB 15; Length 766;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;
 Qy 4 AAATATGTAGGGAGGA 20
 Db 342 AAATATGTAGGGAGGA 326

RESULT 7
 US-10-027-632-52730/c
 Sequence 52730, Application US/10027632
 Publication No. US2003024075A9
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
 FILE REFERENCE: 108827-129
 CURRENT APPLICATION NUMBER: US/10/027,632
 PRIOR APPLICATION NUMBER: US 60/218,006
 PRIOR FILING DATE: 2000-07-12
 PRIOR APPLICATION NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-02-24
 PRIOR APPLICATION NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIOR APPLICATION NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720
 SOFTWARE: FastSEQ for Windows Version 4.0

RESULT 8
 US-10-424-599-73933/c
 Sequence 73933, Application US/10424599
 Publication No. US20040031072A1
 GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J
 APPLICANT: Kovacic, David K
 APPLICANT: Zhou, Yihua
 APPLICANT: Cao, Yongwei
 TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement
 FILE REFERENCE: 38-21-(53223)B
 CURRENT APPLICATION NUMBER: US/10/424,599
 CURRENT FILING DATE: 2003-04-28
 SEQ ID NO: 73933
 LENGTH: 860
 TYPE: DNA
 ORGANISM: Glycine max
 FEATURE:
 OTHER INFORMATION: Clone ID: PAT_MRT3847_37777C.1
 US-10-424-599-73933
 Query Match 76.4%; Score 16.8; DB 12; Length 860;
 Best Local Similarity 90.0%; Pred. No. 1.5e+02;
 Matches 18; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

Qy 3 CAATAATGTAGGGAGGA 22
 Db 412 CAATAATGAAGGGAGGA 393

RESULT 9
 US-10-027-632-110611/c
 Sequence 110611, Application US/10027632
 Publication No. US2003024075A9
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
 FILE REFERENCE: 108827-129
 CURRENT APPLICATION NUMBER: US/10/027,632
 CURRENT FILING DATE: 2002-04-30
 PRIOR APPLICATION NUMBER: US 60/218,006
 PRIOR FILING DATE: 2000-07-12
 PRIOR APPLICATION NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-02-24
 PRIOR APPLICATION NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIOR APPLICATION NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 110611
LENGTH: 2443
TYPE: DNA
ORGANISM: Human
US-10-027-632-110611

Query Match 76.4%; Score 16.8; DB 15; Length 2443;
Best Local Similarity 90.0%; Pred. No. 1.7e+02; Indels 0; Gaps 0;
Matches 18; Conservative 0;

Qy 1 TGCAATATGTAGGAGGA 20
Db 1728 TGCAAGGTGTAGGAGGA 1709

RESULT 10

Sequence 110612/C
Publication No. US20030204075A9
GENERAL INFORMATION:

APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129

CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12

PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID. NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 110612
LENGTH: 2443
TYPE: DNA
ORGANISM: Human
US-10-027-632-110612

Query Match 76.4%; Score 16.8; DB 15; Length 2443;
Best Local Similarity 90.0%; Pred. No. 1.7e+02; Indels 2; Gaps 0;
Matches 18; Conservative 0;

Qy 1 TGCAATATGTAGGAGGA 20
Db 1728 TGCAAGGTGTAGGAGGA 1709

RESULT 11

Sequence 1174961, Application US/10027632
Publication No. US20030204075A9
GENERAL INFORMATION:

APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1174961
LENGTH: 5035
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1, 2, 3, 5035
OTHER INFORMATION: n = A,T,C or G

Query Match 74.5%; Score 16.4; DB 10; Length 5035;
Best Local Similarity 94.4%; Pred. No. 2.8e+02; Indels 1; Gaps 0;
Matches 17; Conservative 0;

NUMBER OF SEQ ID. NOS: 22037
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1174961
LENGTH: 5035
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1, 2, 3, 5035
OTHER INFORMATION: n = A,T,C or G

US-09-814-353-19466
Sequence 174961, Application US/09814353
Publication No. US20030165831A1
GENERAL INFORMATION:

APPLICANT: Lee, John
APPLICANT: Thompson, Pamela
APPLICANT: Lillie, James
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND TREATMENT OF OVARIAN CANCER
TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
FILE REFERENCE: MRI-106B
CURRENT APPLICATION NUMBER: US/09/814,353
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: US 60/191,031
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: US 60/207,124
PRIOR FILING DATE: 2000-03-25
PRIOR APPLICATION NUMBER: US 60/211,940
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: US 60/216,820
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 60/220,661
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: US 60/257,672
PRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID. NOS: 22037
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1174961
LENGTH: 5035
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1, 2, 3, 5035
OTHER INFORMATION: n = A,T,C or G

US-09-814-353-19466
Sequence 174961, Application US/09814353
Publication No. US20030165831A1
GENERAL INFORMATION:

APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20

Qy 1 TGCCTATGTTGGAGGG 18
 Db 1405 TGCCTATGTTGGAGGG 13888

RESULT 13
 US-09-957-974-1/c
 Sequence 1, Application US/09957974
 Patent No. US20020094967A1
 GENERAL INFORMATION:
 i APPLICANT: Antoniou, Michael
 i APPLICANT: Crombie, Robert
 i TITLE OF INVENTION: Polynucleotide
 i FILE REFERENCE: Cacc-0069 (SW/P1598WO)
 i CURRENT APPLICATION NUMBER: US/09/957,974
 i CURRENT FILING DATE: 2001-09-20
 i NUMBER OF SEQ ID NOS: 12
 i SOFTWARE: PatentIn version 3.1
 i SEQ ID NO: 1
 i LENGTH: 10464
 i TYPE: DNA
 i ORGANISM: Artificial Sequence
 i FEATURE:
 i OTHER INFORMATION: PDCD2/ACTIN ARTIFICIAL UCCE SEQUENCE
 i US-09-957-974-1

Query Match 74.5%; Score 16.4%; DB 9; Length 10464;
 Best Local Similarity 94.4%; Pred. No. 3e-02; Indels 0; Gaps 0;
 Matches 17; Conservative 0; Mismatches 1;

RESULT 15
 US-10-341-961A-343/C
 Sequence 343, Application US/10341961A
 Publication No. US20040006787A1
 GENERAL INFORMATION:
 i APPLICANT: Bryce Thompson Institute for Plant Research, Inc.
 i APPLICANT: Curagen Corporation
 i APPLICANT: Crasta, Oswald
 i APPLICANT: Switsky, Peter
 i APPLICANT: Mysooe, Kiran
 i APPLICANT: Folkerst, Otto
 i APPLICANT: Martin, Gregory
 i APPLICANT: Ekstrand, Sophia
 i TITLE OF INVENTION: PLANT DEFENSE-RELATED GENES REGULATED IN RESPONSE TO PLANT-PATHOGEN
 i FILE REFERENCE: BTI_67A2
 i CURRENT APPLICATION NUMBER: US/10/341,961A
 i CURRENT FILING DATE: 2003-01-14
 i PRIORITY APPLICATION NUMBER: 60390249
 i PRIORITY FILING DATE: 2002-06-20
 i PRIORITY APPLICATION NUMBER: 60261029
 i PRIORITY FILING DATE: 2001-01-11
 i PRIORITY APPLICATION NUMBER: 60348792
 i PRIORITY FILING DATE: 2002-01-14
 i NUMBER OF SEQ ID NOS: 395
 i SOFTWARE: PatentIn version 3.1
 i SEQ ID NO: 343
 i LENGTH: 586
 i TYPE: DNA
 i ORGANISM: Lycopersicon esculentum

US-10-341-961A-343

Query Match 73.6%; Score 16.2%; DB 15; Length 586;
 Best Local Similarity 85.7%; Pred. No. 2.9e+02; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GCAATATGAGGGGACCC 22
 Db 74 GCGAGAGGTGAGGGGACCC 54

Search completed: March 22, 2004, 07:36:59
 Job time : 14.5017 secs

RESULT 14
 US-09-783-590-4728/c
 Sequence 4728, Application US/09783590
 Patent No. US20020110850A1
 GENERAL INFORMATION:
 i APPLICANT: Dillon, Patrick J.
 i APPLICANT: Hasseltine, William A.
 i APPLICANT: Li, Haodong
 i APPLICANT: Rosen, Steven M.
 i APPLICANT: Ruben, Craig A.
 i TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 16.2
 i CURRENT APPLICATION NUMBER: US/09/783,590
 i FILE REFERENCE: PO-16.2C1
 i CURRENT FILING DATE: 2000-02-15
 i PRIORITY APPLICATION NUMBER: 08/120,856
 i PRIOR FILING DATE: 1995-04-12
 i PRIORITY APPLICATION NUMBER: 08/3446,731
 i PRIOR FILING DATE: 1994-11-21
 i NUMBER OF SEQ ID NOS: 12485
 i SOFTWARE: PatentIn Ver. 2.0
 i SEQ ID NO: 4728
 i LENGTH: 406
 i TYPE: DNA
 i ORGANISM: Homo sapiens
 i FEATURE:
 i NAME/KEY: misc feature
 i LOCATION: (41)
 i OTHER INFORMATION: n equals a,t,g, or c
 i NAME/KEY: misc feature
 i LOCATION: (230)
 i OTHER INFORMATION: n equals a,t,g, or c
 i NAME/KEY: misc feature
 i LOCATION: (268)
 i OTHER INFORMATION: n equals a,t,g, or c
 i NAME/KEY: misc feature
 i LOCATION: (344)
 i OTHER INFORMATION: n equals a,t,g, or c
 i NAME/KEY: misc feature

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model
Run on: March 22, 2004, 04:12:41 ; Search time 2.96575 seconds
(without alignments)
4116.644 Million cell updates/sec

Title: US-09-308-080-3
Perfect score: 22
Sequence: 1 TGCAATATGTGAGGGGAC 22

Scoring table: IDENTITY_NTC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing First 45 summaries

Database : Issued Patients NA:
 1: /cgcn2_6/ptodata/2/ina/5A_COMB.seq;*
 2: /cgcn2_6/ptodata/2/ina/5B_COMB.seq;*
 3: /cgcn2_6/ptodata/2/ina/6A_COMB.seq;*
 4: /cgcn2_6/ptodata/2/ina/6B_COMB.seq;*
 5: /cgcn2_6/ptodata/2/ina/PICTUS_COMB.seq;*
 6: /cgcn2_6/ptodata/2/ina/bachfiles1.seq;*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
-	-	-	-	-	-	Sequence 1, Appli
1	16.2	73.6	15418	4	US-09-783-203-1	Sequence 30, Appli
2	16.2	73.6	51552	4	US-09-733-294A-30	Sequence 590, Appli
3	15.8	71.8	5053	4	US-09-620-312D-590	Sequence 37, Appli
4	15.6	70.9	1688	4	US-09-827-300-37	Sequence 17, Appli
5	15.6	70.9	3495	3	US-09-827-962-17	Sequence 4, Appli
6	15.6	70.9	3982	3	US-09-947-823-4	Sequence 15, Appli
7	15.6	70.9	9870	4	US-09-245-9228A-15	Sequence 1, Appli
8	15.6	70.9	51952	3	US-09-947-823-1	Sequence 12, Appli
C 9	15.4	70.0	911	4	US-09-171-209-12	Sequence 3, Appli
C 10	15.4	70.0	3711	4	US-09-883-134-3	Sequence 1, Appli
C 11	15.4	70.0	3796	1	US-09-843-1760A-1	Sequence 5, Appli
C 12	15.4	70.0	4034	4	US-09-621-976-18595	Sequence 18595, Appli
C 13	15.2	69.1	510	4	US-09-702-705-1530	Sequence 1530, Appli
C 14	15.2	69.1	635	4	US-09-736-457-1530	Sequence 1530, Appli
C 15	15.2	67.1	636	4	US-09-614-124B-1530	Sequence 1530, Appli
C 16	15.2	69.1	636	4	US-09-621-976-18595	Sequence 10, Appli
C 17	15.2	69.1	635	4	US-09-671-1325-1530	Sequence 10, Appli
C 18	15.2	69.1	843	3	US-09-953-326-10	Sequence 5, Appli
C 19	15.2	69.1	843	4	US-09-314-701-5	Sequence 11, Appli
C 20	15.2	69.1	843	4	US-09-314-701-11	Sequence 10, Appli
C 21	15.2	69.1	843	4	US-09-553-662-10	Sequence 10, Appli
C 22	15.2	69.1	843	4	US-10-062-994-10	Sequence 3, Appli
C 23	15.2	69.1	849	4	US-09-660-587-1	Sequence 3, Appli
C 24	15.2	69.1	849	4	US-09-261-558A-3	Sequence 3, Appli
C 25	15.2	69.1	849	4	US-09-11-107A-3	Sequence 3, Appli
C 26	15.2	69.1	852	4	US-09-314-701-39	Sequence 39, Appli
C 27	15.2	69.1	2554	4	US-09-023-555-886	Sequence 886, Appli

ALIGNMENTS

RESULT 1
US-09-783-203-1
; Sequence 1, Application US/09783203
; Patent No. 6576564
; GENERAL INFORMATION:
; APPLICANT: Geron Corporation
; INVENTOR: Gold, Joseph
; ATTORNEY: Ledkowski, Jane
; TITLE OF INVENTION: Traced stem cells
; FILE REFERENCE: 096/003
; CURRENT APPLICATION NUMBER: US/09/783 , 203
; CURRENT FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: 60/1253 , 443
; PRIORITY FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/253 , 357
; PRIOR FILING DATE: 2000-11-27
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin version 3.0
; SEQ ID NO: 1
; LENGTH: 15418
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-783-203-1

Query Match Similarity 73.6%; Score 16.2%; DB 4; Length 15418;
Best Local Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GCAATATGAGGAGGAGC 22
Db 6954 GCAGAATGAGGAGGAAAC 6974

RESULT 2
US-09-733-294A-30
; Sequence 30, Application US/09733294A
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; ATTORNEY: William Gaarde
; INVENTOR: Susan M. Freier
; ATTORNEY: Edward V. Wanczewicz
; TITLE OF INVENTION: ANTISENSE MODULATION OF TERT EXPRESSION
; FILE REFERENCE: ISPH-0527
; CURRENT APPLICATION NUMBER: US/09/733 , 294A
; PRIOR APPLICATION NUMBER: 3 , 294A
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: 9/572 , 423
; PRIOR FILING DATE: 2000-05-16
; NUMBER OF SEQ ID NOS: 108
; SEQ ID NO: 30

LENGTH: 51552
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: exon
 LOCATION: (1) .. (11492)
 OTHER INFORMATION: exon 1
 NAME/KEY: intron
 LOCATION: (11493) .. (11596)
 OTHER INFORMATION: intron 1
 NAME/KEY: exon
 LOCATION: (11597) .. (12950)
 OTHER INFORMATION: exon 2
 NAME/KEY: intron
 LOCATION: (12951) .. (21566)
 OTHER INFORMATION: intron 2
 NAME/KEY: exon
 LOCATION: (21567) .. (21762)
 OTHER INFORMATION: exon 3
 NAME/KEY: intron
 LOCATION: (21763) .. (23851)
 OTHER INFORMATION: intron 3
 NAME/KEY: exon
 LOCATION: (23852) .. (24032)
 OTHER INFORMATION: exon 4
 NAME/KEY: intron
 LOCATION: (24900) .. (25393)
 OTHER INFORMATION: intron 5
 NAME/KEY: exon
 LOCATION: (25394) .. (25549)
 OTHER INFORMATION: exon 6
 NAME/KEY: intron
 LOCATION: (2550) .. (30196)
 OTHER INFORMATION: intron 6
 NAME/KEY: exon
 LOCATION: (30195) .. (30292)
 OTHER INFORMATION: exon 7
 NAME/KEY: intron
 LOCATION: (30293) .. (31272)
 OTHER INFORMATION: intron 7
 NAME/KEY: exon
 LOCATION: (31273) .. (31358)
 OTHER INFORMATION: exon 8
 NAME/KEY: intron
 LOCATION: (31359) .. (33843)
 OTHER INFORMATION: intron 8
 NAME/KEY: unsure
 LOCATION: 31450
 OTHER INFORMATION: unknown
 NAME/KEY: exon
 LOCATION: (33844) .. (33957)
 OTHER INFORMATION: exon 9
 NAME/KEY: intron
 LOCATION: (33958) .. (35941)
 OTHER INFORMATION: intron 9
 NAME/KEY: exon
 LOCATION: (35942) .. (36013)
 OTHER INFORMATION: exon 10
 NAME/KEY: intron
 LOCATION: (36014) .. (37884)
 OTHER INFORMATION: intron 10
 NAME/KEY: exon
 LOCATION: (37885) .. (38073)
 OTHER INFORMATION: exon 11
 NAME/KEY: intron
 LOCATION: (38074) .. (41874)
 OTHER INFORMATION: intron 11

NAME/KEY: exon
 LOCATION: (41875) .. (42001)
 OTHER INFORMATION: intron 12
 NAME/KEY: intron
 LOCATION: (42002) .. (42881)
 OTHER INFORMATION: intron 12
 NAME/KEY: exon
 LOCATION: (42882) .. (42943)
 OTHER INFORMATION: exon 13
 NAME/KEY: intron
 LOCATION: (42944) .. (46129)
 OTHER INFORMATION: intron 13
 NAME/KEY: exon
 LOCATION: (46130) .. (46254)
 OTHER INFORMATION: exon 14
 NAME/KEY: intron
 LOCATION: (46255) .. (47035)
 OTHER INFORMATION: intron 14
 NAME/KEY: exon
 LOCATION: (47036) .. (47173)
 OTHER INFORMATION: exon 15
 NAME/KEY: intron
 LOCATION: (47174) .. (47709)
 OTHER INFORMATION: intron 15
 NAME/KEY: exon
 LOCATION: (47710) .. (50544)
 OTHER INFORMATION: exon 16
 US-09-733-29A-30

Query Match 73.6% Score 16.2% DB 4; Length 51552;
 Best Local Similarity 85.7%; Pred. No. 88;
 Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GCATAATGAGGGGACCC
 Db 4683 GCAGAAATGTGAGGGAAAC 4703

RESULT 3
 US-09-620-312D-590
 ; Sequence 590, Application US/09620312D
 ; Patent No. 6569662
 ; GENERAL INFORMATION:
 ; APPLICANT: Tang, Y., Tom
 ; APPLICANT: Liu, Changhua
 ; APPLICANT: Asundi, Vinod
 ; APPLICANT: Zhang, Jie
 ; APPLICANT: Ren, Feiyan
 ; APPLICANT: Chen, Rui-hong
 ; APPLICANT: Zhao, Qing A.
 ; APPLICANT: Weirman, Tom
 ; APPLICANT: Xue, Aitong J.
 ; APPLICANT: Yang, Yonghong
 ; APPLICANT: Wang, Jin-Rui
 ; APPLICANT: Zhou, Ping
 ; APPLICANT: Ma, Yungang
 ; APPLICANT: Wang, Dunrui
 ; APPLICANT: Wang, Zhiwei
 ; APPLICANT: John Tillinghast
 ; APPLICANT: Dumanac, Radje T.
 ; TITLE OF INVENTION: No. 6569662 Nucleic Acids and
 ; FILE REFERENCE: Polypeptides
 ; CURRENT APPLICATION NUMBER: US/09-620-312D
 ; CURRENT FILING DATE: 2000-07-19
 ; PRIOR APPLICATION NUMBER: 09-552,317
 ; PRIOR FILING DATE: 2000-04-25
 ; PRIORITY NUMBER: 09-488,725
 ; PRIORITY NUMBER: 09-488,725
 ; NUMBER OF SEQ ID NOS: 1105
 ; SOFTWARE: PC-FL_Genes Version 1.0
 ; SEQ ID NO 590
 ; LENGTH: 5033

TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE: CDS
 NAME/KEY: (154) .. (2409)
 LOCATION: US-09-620-312D-590

Query Match Score 15.6; DB 3; Length 3495;
 Best Local Similarity 81.8%; Pred. No. 1e+02;
 Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 TGCAATATGTGAGGGGACCC 22
 Db 2962 TGACATATGTGAGGTACCC 2983

RESULT 6
 US-08-947-823-4
 Sequence 4, Application US/0947823
 Patent No. 6114605
 GENERAL INFORMATION:
 APPLICANT: Williamson, Valerie M.
 APPLICANT: Kaleshian, Isgouhi
 APPLICANT: Yaghoobi, Jafar
 APPLICANT: Bodeau, John
 APPLICANT: Milligan, Stephen
 TITLE OF INVENTION: Procedures and Materials for Conferring Pest Resistance in Plants

NUMBER OF SEQUENCES: 5
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Crew LLP
 STREET: Two Embarcadero Center, Eighth Floor
 CITY: San Francisco
 STATE: California
 COUNTY: USA
 ZIP: 94111-3834
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/947,823
 FILING DATE: 09-OCT-1997
 CLASSIFICATION: 800
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US97/18802
 FILING DATE: 09-OCT-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/028,191
 FILING DATE: 10-OCT-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Bastian, Kevin L.
 REGISTRATION NUMBER: 34,774
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEX/FAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3992 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 NAME/KEY: CDS
 LOCATION: 87..3860
 OTHER INFORMATION: /note= "Copy 2 cDNA for M1 nematode
 OTHER INFORMATION: resistance gene of tomato"
 US-08-947-823-4

Query Match Score 15.6; DB 3; Length 3982;
 Best Local Similarity 81.8%; Pred. No. 1e+02;
 Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 TGCAATATGTGAGGGGACCC 22
 Db 3794 TGAAGATATGAGGGGAC 3815

RESULT 5
 US-08-827-962-17
 Sequence 17, Application US/08127962A
 Patent No. 6258344
 GENERAL INFORMATION:
 APPLICANT: MERCK & CO., INC.
 TITLE OF INVENTION: OB RECEPTOR ISOFORMS AND NUCLEIC ACIDS ENCODING THEM
 FILE REFERENCE: 1993
 CURRENT APPLICATION NUMBER: US/08/827,962A
 CURRENT FILING DATE: 1997-05-06
 PRIOR APPLICATION NUMBER: 60/016,899
 PRIOR FILING DATE: 1996-05-06
 NUMBER OF SEQ ID NOS: 21
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 17
 LENGTH: 3495
 TYPE: DNA
 ORGANISM: Rattus No. 6258944/yegicus
 US-08-827-962-17

RESULT 7
US-09-245-928A-15
Sequence 15, Application US/09245928A
GENERAL INFORMATION:
Patient No. 6613662
APPLICANT: KEYGENE N.V.
TITLE OF INVENTION: RESISTANCE AGAINST NEMATODES AND/OR APHIDS
FILE REFERENCE: 960-35
CURRENT FILING DATE: 1999-02-08
PRIOR APPLICATION NUMBER: PCT/EP97/04340
PRIOR FILING DATE: 1997-08-08
PRIOR APPLICATION NUMBER: EP95401764.4
PRIOR FILING DATE: 1996-08-09
PRIOR APPLICATION NUMBER: EP97401101.7
PRIOR FILING DATE: 1997-05-16
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 15
LENGTH: 9870
TYPE: DNA
ORGANISM: Mi resistance gene
US-09-245-928A-15

Query Match Score 15.6; DB 4; Length 9870;
Best Local Similarity 81.8%; Pred. No. 1.3e+02;
Matches 18; Conservative 0; Mismatches 0; Gaps 0;

Qy 1 TGCAAATAATGAGGGGACCC 22
Db 7045 TGAAGATAATGAGGGGAAAC 7066

RESULT 8
US-08-947-823-1
Sequence 1, Application US/08947823
Patent No. 6114605
GENERAL INFORMATION:
APPLICANT: Williamson, Valerie M.
APPLICANT: Kaloshian, Isoguchi
APPLICANT: Yachobi, Jafar
APPLICANT: Bodreau, John
APPLICANT: Milligan, Stephen
TITLE OF INVENTION: Procedures and Materials for Conferring
TITLE OF INVENTION: Pest Resistance in Plants
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESS: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3824
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/947,823
FILING DATE: 09-OCT-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/18802
FILING DATE: 09-OCT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/028,191
FILING DATE: 10-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Bastian, Kevin L.
REGISTRATION NUMBER: 34 -774
REFERENCE/DOCKET NUMBER: 023070-070210US

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 51952 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

US-08-947-823-1

Query Match Score 15.6; DB 3; Length 51952;
Best Local Similarity 81.8%; Pred. No. 1.8e+02;
Matches 18; Conservative 0; Mismatches 0; Gaps 0;

Qy 1 TGCAAATAATGAGGGGACCC 22
Db 19866 TGAAGATAATGAGGGGAAAC 19887

RESULT 9
US-09-171-209-12/C
Sequence 1, Application US/09171209
Patent No. 6448000
GENERAL INFORMATION:
APPLICANT: VANDERBILT UNIVERSITY
205 Kirkland Hall
TITLE OF INVENTION: MAMMALIAN GENES INVOLVED IN VIRAL
INFECTION
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: Needle & Rosenberg, P.C.
STREET: 127 Peachtree Street, Suite 1200
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303-1811
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/171,209
FILING DATE: 08-Mar-1999
CLASSIFICATION: <Unknown>
PRIORITY DATA:
PRIORITY NUMBER: PCT/US97/06067
ATTORNEY/AGENT INFORMATION:
NAME: Seiby, Elizabeth
REGISTRATION NUMBER: 38,298
REFERENCE/DOCKET NUMBER: 22000.0061/P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404 688 0770
TELEFAX: 404 688 9880
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 911 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-09-171-209-12

Query Match Score 15.4; DB 4; Length 911;
Best Local Similarity 84.2%; Pred. No. 95;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GCAATATGTAGGGGAAAC

Db 208 GCANATGAGGGAGA 190
 RESULT 10
 US-09-883-134-3/c
 Sequence 3, Application US/09883134
 GENERAL INFORMATION:
 Patent No. 6511840
 APPLICANT: Walk, D. Wade
 APPLICANT: Scoville, John
 APPLICANT: Donoho, Gregory
 APPLICANT: Turner, C. Alexander Jr.
 APPLICANT: Mathur, Brian
 APPLICANT: Mathur, Daniel
 APPLICANT: Friddle, Carl Johan
 TITLE OF INVENTION: No. 6511840el Human Kinase Proteins and Polynucleotides Encoding
 FILE REFERENCE: LEX_0193-USA
 CURRENT APPLICATION NUMBER: US/09/883.134
 CURRENT FILING DATE: 2001-06-15
 PRIORITY NUMBER: US 60/211,572
 PRIOR FILING DATE: 2000-06-15
 PRIORITY NUMBER: US 60/216,382
 PRIORITY NUMBER: US 60/216,382
 PRIORITY NUMBER: US 60/216,382
 NUMBER OF SEQ ID NOS: 11
 SOFTWARE: FastSEQ For Windows Version 4.0
 SEQ ID NO 3
 LENGTH: 3711
 TYPE: DNA
 ORGANISM: homo sapiens
 US-09-883-134-3

Query Match 70.0%; Score 15.4; DB 4; Length 3711;
 Best Local Similarity 84.2%; Pred. No. 1.3e+02; Indels 0; Gaps 0;
 Matches 16; Conservative 1; Mismatches 2;

Qy 1 TGCAATAATGTGAGGAGGG 19
 Db 1206 TGCAATAATGTGGGGGR 1188

RESULT 11
 US-08-343-760A-1
 Sequence 1, Application US/08343760A
 Patent No. 5679783
 GENERAL INFORMATION:
 APPLICANT: De Robertis, Edward M
 APPLICANT: Sasai, Yoshiaki
 TITLE OF INVENTION: Tissue Differentiation Affecting
 TITLE OF INVENTION: Factor and Composition
 NUMBER OF SEQUENCE: 3
 CORRESPONDENCE ADDRESS:
 ADDRESS: Majorie, Parsons, Siebert & Hsue
 STREET: Four Embarcadero Center, Suite 1450
 CITY: San Francisco
 STATE: CA
 COUNTRY: USA
 ZIP: 94111
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1., Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/343,760A
 FILING DATE: 22-NOV-1994
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Siebert, J. Suzanne
 REFERENCE/DOCKET NUMBER: 28,758
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 363-5556

RESULT 12
 US-09-883-134-5/c
 Sequence 5, Application US/09883134
 Patent No. 6511840
 GENERAL INFORMATION:
 APPLICANT: Walk, D. Wade
 APPLICANT: Scoville, John
 APPLICANT: Donoho, Gregory
 APPLICANT: Turner, C. Alexander Jr.
 APPLICANT: Mathur, Brian
 APPLICANT: Friddle, Carl Johan
 APPLICANT: Fiddle, Carl Johan
 TITLE OF INVENTION: No. 6511840el Human Kinase Proteins and Polynucleotides Encoding t
 FILE REFERENCE: LEX-0193-USA
 CURRENT APPLICATION NUMBER: US/09/883.134
 CURRENT FILING DATE: 2001-06-15
 PRIORITY NUMBER: US 60/211,572
 PRIORITY NUMBER: US 60/216,382
 PRIORITY NUMBER: US 60/216,382
 PRIORITY NUMBER: US 60/216,382
 NUMBER OF SEQ ID NOS: 11
 SOFTWARE: FastSEQ For Windows Version 4.0
 SEQ ID NO 5
 LENGTH: 4034
 TYPE: DNA
 ORGANISM: homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)...(4034)
 OTHER INFORMATION: n = A,T,C or G
 US-09-883-134-5

Query Match 70.0%; Score 15.4; DB 4; Length 4034;
 Best Local Similarity 84.2%; Pred. No. 1.3e-02; Indels 0; Gaps 0;
 Matches 16; Conservative 1; Mismatches 2;

Qy 1 TGCAAAATATGTGAGGGGG 19
 Db 1373 TGCAAAATATGTGGGGGR 1355

RESULT 13
 US-09-021-976-18595/c
 Sequence 18595, Application US/09621576
 Patent No. 6619063
 GENERAL INFORMATION:
 APPLICANT: Dumas Milne Edwards, J.B.
 APPLICANT: Jobert, S.
 APPLICANT: Giordano, J.Y.
 APPLICANT: Ets and Encoded Human Proteins,
 TITLE OF INVENTION: Ets and Encoded Human Proteins,
 FILE REFERENCE: GENSET 054PR2
 CURRENT APPLICATION NUMBER: US/09/621,976
 CURRENT FILING DATE: 2000-07-21
 NUMBER OF SEQ ID NOS: 19335

```

; SOFTWARE: Patent.pm
; SEQ ID NO: 18595
; LENGTH: 510
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-18595

Query Match      69.1%;  Score 15.2;  DB 4;  Length 510;
Best Local Similarity 85.0%;  Pred. No. 1.1e+02;
Matches 17;  Conservative 0;  Mismatches 3;  Indels 0;  Gaps 0;
LOCATION: (1)...(636)
OTHER INFORMATION: n = A,T,C or G
US-09-702-705-1530/C

RESULT 14
Sequence 1530, Application US/09702705
Patent No. 6504010
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Lodes, Michael A.
APPLICANT: Fanger, Gary
APPLICANT: Vedvick, Tom
APPLICANT: Carter, Darrick
APPLICANT: Retter, Marc
APPLICANT: Mannion, Jane
APPLICANT: Fan, Liqun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.478CL4
CURRENT APPLICATION NUMBER: US/09/702,705
CURRENT FILING DATE: 2000-10-30
NUMBER OF SEQ ID NOS: 1833
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 1530
LENGTH: 636
TYPE: DNA
FEATURE: misc_feature
NAME/KEY: misc_feature
LOCATION: (1)...(636)
OTHER INFORMATION: n = A,T,C or G
US-09-702-705-1530

Query Match      69.1%;  Score 15.2;  DB 4;  Length 636;
Best Local Similarity 81.0%;  Pred. No. 1.1e+02;
Matches 17;  Conservative 0;  Mismatches 4;  Indels 0;  Gaps 0;
LOCATION: (1)...(636)
OTHER INFORMATION: n = A,T,C or G
US-09-736-457-1530/C

RESULT 15
Sequence 1530, Application US/09736457
Patent No. 650448
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Lodes, Michael A.
APPLICANT: Fanger, Gary
APPLICANT: Vedvick, Tom
APPLICANT: Carter, Darrick
APPLICANT: Retter, Marc
APPLICANT: Mannion, Jane
APPLICANT: Fan, Liqun
APPLICANT: Wang, Ajjun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
DIAGNOSIS OF LUNG CANCER

```

GenCore version 5.1.6								
(c) 1993 - 2004 Compugen Ltd.								
A nucleic search, using SW model								
Run on: March 22, 2004, 05:06:41 ; Search time 410.997 Seconds								
(without alignments)								
7749.384 Million cell updates/sec								
Title: US-09-30B-080-1								
Perfect score: 861								
Sequence: 1 TGTAAATGAGATAATTATT.....AGGGAAATAATTAA 861								
Scoring table: IDENTITY_NUC								
GapOp 10.0 , GapExt 1.0								
Searched: 2438257 seqs., 1849576744 residues								
Total number of hits satisfying chosen parameters:								
Minimum DB seq length: 0								
Maximum DB seq length: 20000000000								
Post-processing: Minimum Match 0%								
Maximum Match 100%								
Listing first 45 summaries								
Database :								
Published Applications_NA.*								
1:	/cn2_6_ptodata/2/pubDNA/US07_PUBCOMB.seq:*							
2:	/cn2_6_ptodata/2/pubDNA/PCP_NEW_PUB.seq:*							
3:	/cn2_6_ptodata/2/pubDNA/US07_NEW_PUB.seq:*							
4:	/cn2_6_ptodata/2/pubDNA/US06_PUBCOMB.seq:*							
5:	/cn2_6_ptodata/2/pubDNA/US07_NEW_PUB.seq:*							
6:	/cn2_6_ptodata/2/pubDNA/PCTUS_PUBCOMB.seq:*							
7:	/cn2_6_ptodata/2/pubDNA/US08_NEW_PUB.seq:*							
8:	/cn2_6_ptodata/2/pubDNA/US08_PUBCOMB.seq:*							
9:	/cn2_6_ptodata/2/pubDNA/US09_PUBCOMB.seq:*							
10:	/cn2_6_ptodata/2/pubDNA/US09C_PUBCOMB.seq:*							
11:	/cn2_6_ptodata/2/pubDNA/US09_NEW_PUB.seq:*							
12:	/cn2_6_ptodata/2/pubDNA/US09_NEW_PUB.COMB.seq:*							
13:	/cn2_6_ptodata/2/pubDNA/US10A_PUBCOMB.seq:*							
14:	/cn2_6_ptodata/2/pubDNA/US10B_PUBCOMB.seq:*							
15:	/cn2_6_ptodata/2/pubDNA/US10C_PUBCOMB.seq:*							
16:	/cn2_6_ptodata/2/pubDNA/US10_NEW_PUB.seq:*							
17:	/cn2_6_ptodata/2/pubDNA/US60_NEW_PUB.seq:*							
18:	/cn2_6_ptodata/2/pubDNA/US60_PUBCOMB.seq:*							
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.								
SUMMARIES								
8	Query	Description						
result	No.	Score	Match	Length	DB	ID		
1	214.8	24.9	239	12	US-10-085-783A-28135	Sequence 28135, A	Sequence 28135, A	
2	214.8	24.9	239	15	US-10-242-5335A-28135	Sequence 28135, A	Sequence 28135, A	
3	171.2	19.9	3951	9	US-09-854-886-1	Sequence 1, Appli	Sequence 1, Appli	
4	169.6	19.7	4409	9	US-09-954-456-331	Sequence 531, App	Sequence 531, App	
5	169.6	19.7	4409	10	US-09-880-107-3323	Sequence 3323, App	Sequence 3323, App	
6	169.6	19.7	4409	10	US-09-73-367C-236	Sequence 226, App	Sequence 226, App	
7	169.6	19.7	4409	14	US-10-240-965-235	Sequence 9415, App	Sequence 9415, App	
8	153.4	17.8	418	9	US-09-96-352U-9491	Sequence 1343, App	Sequence 1343, App	
9	153.2	16.9	4358	10	US-09-917-800-A-134	Sequence 9055, App	Sequence 9055, App	
10	123.6	14.4	512	9	US-09-783-510-9055	Sequence 1, Appli	Sequence 1, Appli	
11	52	6.0	3673778	14	US-10-312-841-1	Sequence 52, Appli	Sequence 52, Appli	
12	49.6	5.8	8011	14	US-10-311-455-52	Sequence 4115, App	Sequence 4115, App	
C	13	48.8	5.7	2000	9	US-09-938-842A-1135	Sequence 60, App	Sequence 60, App
C	14	48.8	5.7	2000	11	US-09-938-842A-4135	Sequence 60, App	Sequence 60, App
C	15	48.8	5.6	2001	14	US-10-172-085-60	Sequence 60, App	Sequence 60, App
SUMMARIES								
1	214.8	24.9	239	12	US-10-085-783A-28135	Sequence 28135, A	Sequence 28135, A	
2	214.8	24.9	239	15	US-10-242-5335A-28135	Sequence 28135, A	Sequence 28135, A	
3	171.2	19.9	3951	9	US-09-854-886-1	Sequence 1, Appli	Sequence 1, Appli	
4	169.6	19.7	4409	9	US-09-954-456-331	Sequence 531, App	Sequence 531, App	
5	169.6	19.7	4409	10	US-09-73-367C-236	Sequence 3323, App	Sequence 3323, App	
6	169.6	19.7	4409	14	US-10-240-965-235	Sequence 226, App	Sequence 226, App	
7	169.6	19.7	4409	14	US-09-96-352U-9491	Sequence 9415, App	Sequence 9415, App	
8	153.4	17.8	418	9	US-09-917-800-A-134	Sequence 1343, App	Sequence 1343, App	
9	153.2	16.9	4358	10	US-09-783-510-9055	Sequence 9055, App	Sequence 9055, App	
10	123.6	14.4	512	9	US-09-783-510-9055	Sequence 1, Appli	Sequence 1, Appli	
11	52	6.0	3673778	14	US-10-312-841-1	Sequence 52, Appli	Sequence 52, Appli	
12	49.6	5.8	8011	14	US-10-311-455-52	Sequence 4115, App	Sequence 4115, App	
C	13	48.8	5.7	2000	9	US-09-938-842A-1135	Sequence 60, App	Sequence 60, App
C	14	48.8	5.7	2000	11	US-09-938-842A-4135	Sequence 60, App	Sequence 60, App
SUMMARIES								
1	214.8	24.9	239	12	US-10-085-783A-28135	Sequence 28135, A	Sequence 28135, A	
2	214.8	24.9	239	15	US-10-242-5335A-28135	Sequence 28135, A	Sequence 28135, A	
3	171.2	19.9	3951	9	US-09-854-886-1	Sequence 1, Appli	Sequence 1, Appli	
4	169.6	19.7	4409	9	US-09-954-456-331	Sequence 531, App	Sequence 531, App	
5	169.6	19.7	4409	10	US-09-73-367C-236	Sequence 3323, App	Sequence 3323, App	
6	169.6	19.7	4409	14	US-10-240-965-235	Sequence 226, App	Sequence 226, App	
7	169.6	19.7	4409	14	US-09-96-352U-9491	Sequence 9415, App	Sequence 9415, App	
8	153.4	17.8	418	9	US-09-917-800-A-134	Sequence 1343, App	Sequence 1343, App	
9	153.2	16.9	4358	10	US-09-783-510-9055	Sequence 9055, App	Sequence 9055, App	
10	123.6	14.4	512	9	US-09-783-510-9055	Sequence 1, Appli	Sequence 1, Appli	
11	52	6.0	3673778	14	US-10-312-841-1	Sequence 52, Appli	Sequence 52, Appli	
12	49.6	5.8	8011	14	US-10-311-455-52	Sequence 4115, App	Sequence 4115, App	
C	13	48.8	5.7	2000	9	US-09-938-842A-1135	Sequence 60, App	Sequence 60, App
C	14	48.8	5.7	2000	11	US-09-938-842A-4135	Sequence 60, App	Sequence 60, App
SUMMARIES								
1	214.8	24.9	239	12	US-10-085-783A-28135	Sequence 28135, A	Sequence 28135, A	
2	214.8	24.9	239	15	US-10-242-5335A-28135	Sequence 28135, A	Sequence 28135, A	
3	171.2	19.9	3951	9	US-09-854-886-1	Sequence 1, Appli	Sequence 1, Appli	
4	169.6	19.7	4409	9	US-09-954-456-331	Sequence 531, App	Sequence 531, App	
5	169.6	19.7	4409	10	US-09-73-367C-236	Sequence 3323, App	Sequence 3323, App	
6	169.6	19.7	4409	14	US-10-240-965-235	Sequence 226, App	Sequence 226, App	
7	169.6	19.7	4409	14	US-09-96-352U-9491	Sequence 9415, App	Sequence 9415, App	
8	153.4	17.8	418	9	US-09-917-800-A-134	Sequence 1343, App	Sequence 1343, App	
9	153.2	16.9	4358	10	US-09-783-510-9055	Sequence 9055, App	Sequence 9055, App	
10	123.6	14.4	512	9	US-09-783-510-9055	Sequence 1, Appli	Sequence 1, Appli	
11	52	6.0	3673778	14	US-10-312-841-1	Sequence 52, Appli	Sequence 52, Appli	
12	49.6	5.8	8011	14	US-10-311-455-52	Sequence 4115, App	Sequence 4115, App	
C	13	48.8	5.7	2000	9	US-09-938-842A-1135	Sequence 60, App	Sequence 60, App
C	14	48.8	5.7	2000	11	US-09-938-842A-4135	Sequence 60, App	Sequence 60, App
SUMMARIES								
1	214.8	24.9	239	12	US-10-085-783A-28135	Sequence 28135, A	Sequence 28135, A	
2	214.8	24.9	239	15	US-10-242-5335A-28135	Sequence 28135, A	Sequence 28135, A	
3	171.2	19.9	3951	9	US-09-854-886-1	Sequence 1, Appli	Sequence 1, Appli	
4	169.6	19.7	4409	9	US-09-954-456-331	Sequence 531, App	Sequence 531, App	
5	169.6	19.7	4409	10	US-09-73-367C-236	Sequence 3323, App	Sequence 3323, App	
6	169.6	19.7	4409	14	US-10-240-965-235	Sequence 226, App	Sequence 226, App	
7	169.6	19.7	4409	14	US-09-96-352U-9491	Sequence 9415, App	Sequence 9415, App	
8	153.4	17.8	418	9	US-09-917-800-A-134	Sequence 1343, App	Sequence 1343, App	
9	153.2	16.9	4358	10	US-09-783-510-9055	Sequence 9055, App	Sequence 9055, App	
10	123.6	14.4	512	9	US-09-783-510-9055	Sequence 1, Appli	Sequence 1, Appli	
11	52	6.0	3673778	14	US-10-312-841-1	Sequence 52, Appli	Sequence 52, Appli	
12	49.6	5.8	8011	14	US-10-311-455-52	Sequence 4115, App	Sequence 4115, App	
C	13	48.8	5.7	2000	9	US-09-938-842A-1135	Sequence 60, App	Sequence 60, App
C	14	48.8	5.7	2000	11	US-09-938-842A-4135	Sequence 60, App	Sequence 60, App
SUMMARIES								
1	214.8	24.9	239	12	US-10-085-783A-28135	Sequence 28135, A	Sequence 28135, A	
2	214.8	24.9	239	15	US-10-242-5335A-28135	Sequence 28135, A	Sequence 28135, A	
3	171.2	19.9	3951	9	US-09-854-886-1	Sequence 1, Appli	Sequence 1, Appli	
4	169.6	19.7	4409	9	US-09-954-456-331	Sequence 531, App	Sequence 531, App	
5	169.6	19.7	4409	10	US-09-73-367C-236	Sequence 3323, App	Sequence 3323, App	
6	169.6	19.7	4409	14	US-10-240-965-235	Sequence 226, App	Sequence 226, App	
7	169.6	19.7	4409	14	US-09-96-352U-9491	Sequence 9415, App	Sequence 9415, App	
8	153.4	17.8	418	9	US-09-917-800-A-134	Sequence 1343, App	Sequence 1343, App	
9	153.2	16.9	4358	10	US-09-783-510-9055	Sequence 9055, App	Sequence 9055, App	
10	123.6	14.4	512	9	US-09-783-510-9055	Sequence 1, Appli	Sequence 1, Appli	
11	52	6.0	3673778	14	US-10-312-841-1	Sequence 52, Appli	Sequence 52, Appli	
12	49.6	5.8	8011	14	US-10-311-455-52	Sequence 4115, App	Sequence 4115, App	
C	13	48.8	5.7	2000	9	US-09-938-842A-1135	Sequence 60, App	Sequence 60, App
C	14	48.8	5.7	2000	11	US-09-938-842A-4135	Sequence 60, App	Sequence 60, App
SUMMARIES								
1	214.8	24.9	239	12	US-10-085-783A-28135	Sequence 28135, A	Sequence 28135, A	
2	214.8	24.9	239	15	US-10-242-5335A-28135	Sequence 28135, A	Sequence 28135, A	
3	171.2	19.9	3951	9	US-09-854-886-1	Sequence 1, Appli	Sequence 1, Appli	
4	169.6	19.7	4409	9	US-09-954-456-331	Sequence 531, App	Sequence 531, App	
5	169.6	19.7	4409	10	US-09-73-367C-236	Sequence 3323, App	Sequence 3323, App	
6	169.6	19.7	4409	14	US-10-240-965-235	Sequence 226, App	Sequence 226, App	
7	169.6	19.7	4409	14	US-09-96-352U-9491	Sequence 9415, App	Sequence 9415, App	
8	153.4	17.8	418	9	US-09-917-800-A-134	Sequence 1343, App	Sequence 1343, App	
9	153.2	16.9	4358	10	US-09-783-510-9055	Sequence 9055, App	Sequence 9055, App	
1								

RESULT 2

Db 121 TAAACAAAGAATGGCTTAAGTGGTAAATTAAACATCCATTAGGCT 180
 US-10-242-535A-28135 ; SOFTWARE: PatentIn Ver. 2.0
 Qy 512 TATAATTTAATGTATAATTATCAGGAATCTGCCAGTTGCTGATGCA 569 ; SEQ ID NO 1
 Db 181 TATAATTTAATGTATAATTATCAGGAATCTGCCAGTTGCTGATGCA 238 ; LENGTH: 3951
 ;
 ; GENERAL INFORMATION:
 ; Publication No. US20040015663A1
 ; APPLICANT: ChondroGene Inc.
 ; Liev, C.C.
 ; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
 ; CURRENT APPLICATION NUMBER: US10/242,535A
 ; CURRENT FILING DATE: 2002-09-12
 ; PRIOR APPLICATION NUMBER: US 10/085,783
 ; PRIOR FILING DATE: 2002-02-28
 ; PRIOR APPLICATION NUMBER: US 60/305,340
 ; PRIOR FILING DATE: 2001-07-13
 ; PRIOR APPLICATION NUMBER: US 60/275,017
 ; PRIOR FILING DATE: 2001-03-12
 ; PRIOR APPLICATION NUMBER: US 60/271,955
 ; PRIOR FILING DATE: 2001-02-28
 ; NUMBER OF SEQ ID NOS: 58994
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 28135

Query Match Score 171.2; DB 9; Length 3951;
 Best Local Similarity 93.2%; Pred. No. 1.2e-28;
 Matches 179; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy 244 CTCAAATCTTACTTTCATGAGGACATTGTGACAATGTTCCCCATAATCATCCG 303
 Db 1797 CACCAAACTTCCTCTCATAGGACATTGTGACAATGTTCCCGAGAACATCCG 1856
 ;
 ; GENERAL INFORMATION:
 ; Sequence 51, Application US/09954456
 ; Patent No. US/002011505TA1
 ; APPLICANT: Young, Paul
 ; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc
 ; FILE REFERENCE: Sets
 ; CURRENT APPLICATION NUMBER: US/09/954,456
 ; CURRENT FILING DATE: 2001-09-18
 ; PRIOR APPLICATION NUMBER: US/60/233,617
 ; PRIOR FILING DATE: 2000-09-18
 ; PRIOR APPLICATION NUMBER: US/60/234,052
 ; PRIOR FILING DATE: 2000-09-20
 ; PRIOR APPLICATION NUMBER: US/60/234,923
 ; PRIOR FILING DATE: 2000-09-25
 ; PRIOR APPLICATION NUMBER: US/60/235,134
 ; PRIOR FILING DATE: 2000-09-25
 ; PRIOR APPLICATION NUMBER: US/60/235,637
 ; PRIOR FILING DATE: 2000-09-26
 ; PRIOR APPLICATION NUMBER: US/60/235,638
 ; PRIOR FILING DATE: 2000-09-26
 ; PRIOR APPLICATION NUMBER: US/60/235,711
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: US/60/235,720
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: US/60/235,840
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: US/60/235,863
 ; SEQ ID NO 531
 ; LENGTH: 4409
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-954-456-531

Query Match Score 169.6; DB 9; Length 4409;
 Best Local Similarity 92.7%; Pred. No. 2.8e-28;
 Matches 178; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 244 CTCAAATCTTACTTTCATGAGGACATTGTGACAATGTTCCCCATAATCATCCG 303
 ;
 ; GENERAL INFORMATION:
 ; Sequence 51, Application US/09954456
 ; Patent No. US20020072080A1
 ; APPLICANT: Hasegawa, Masami
 ; TITLE OF INVENTION: Immunological Material and Methods for Detecting
 ; TITLE OF INVENTION: Dihydroxypyrimidine Dehydrogenase
 ; FILE REFERENCE: 100554-32887
 ; CURRENT APPLICATION NUMBER: US/09/854,886
 ; CURRENT FILING DATE: 2001-05-14
 ; PRIOR APPLICATION NUMBER: 09/138,103
 ; PRIOR FILING DATE: 1998-08-21
 ; PRIOR APPLICATION NUMBER: 97/114630.3
 ; PRIOR FILING DATE: 1997-08-22
 ; NUMBER OF SEQ ID NOS: 8

RESULT 5
 US-09-880-107-3323
 ; Sequence 3323, Application US/09880107
 ; Patent No. US20042981A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Horne, Darci T.
 ; APPLICANT: Vockley, Joseph G.
 ; APPLICANT: Scherf, Uwe
 ; APPLICANT: Gene Logic, Inc.
 ; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
 ; FILE REFERENCE: 44921-5028-WO
 ; CURRENT APPLICATION NUMBER: US/09/880,107
 ; CURRENT FILING DATE: 2001-06-14
 ; PRIORITY FILING DATE: 2000-06-14
 ; PRIOR APPLICATION NUMBER: US 60/211,379
 ; PRIORITY NUMBER: 44921-5028-WO
 ; NUMBER OF SEQ ID NOS: 3950
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 3323
 ; LENGTH: 4409
 ; TYPE: DNA
 ; FEATURE:
 ; OTHER INFORMATION: Genbank Accession No. US20020142981A1 U20938
 ; US-09-880-107-3323

Query Match 19.7%; Score 169.6%; DB 9; Length 4409;
 Best Local Similarity 92.7%; Pred. No. 2.8e-28;
 Matches 178; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

US-10-240-965-235
 ; Sequence 235, Application US/10240965
 ; Publication No. US20030165924A1
 ; GENERAL INFORMATION:
 ; APPLICANT: INCYTE GENOMICS, INC.
 ; APPLICANT: SHIFFMAN, Dov
 ; APPLICANT: SOMOGYI, Roland
 ; APPLICANT: LAW, Richard M.
 ; APPLICANT: SELHAMER, Jeffrey J.
 ; APPLICANT: PORTER, Gordon J.
 ; APPLICANT: MIKITIKA, Thomas
 ; APPLICANT: TAI, Julie
 ; TITLE OF INVENTION: GENES EXPRESSED IN FOAM CELL DIFFERENTIATION
 ; FILE REFERENCE: PA-0025 PCT
 ; CURRENT APPLICATION NUMBER: US/10/240,965
 ; CURRENT FILING DATE: 2002-10-04
 ; PRIOR APPLICATION NUMBER: 2000-04-05
 ; NUMBER OF SEQ ID NOS: 276
 ; SOFTWARE: PERL Program
 ; SEQ ID NO: 235
 ; LENGTH: 4409
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; OTHER INFORMATION: Incyte ID No. US20030165924A1 331022.13
 ; US-10-240-965-235

RESULT 6
 US-9-873-367C-226
 ; Sequence 226, Application US/09873367C
 ; Publication No. US20030165839A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Young, Paul
 ; APPLICANT: Soppet, Daniel
 ; APPLICANT: Endress, Gregory
 ; APPLICANT: Augustus, Meena
 ; APPLICANT: Ebner, Reinhard

Query Match 8 Score 169.6; DB 14; Length 4409;
 Best Local Similarity 92.7%; Pred. No. 2.8e-28;
 Matches 178; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 244 CTCATACTTCTACTTCTATGAGCATTTGTACAATGTTCCCAATATCATCG 303
 Db 1817 CACCAAACTTCTCTGTATAAGCATTTGTACAATGTTCCCAATATCATCG 1876

Qy 304 GGGAAACCCCTTGCCCCATGTAGGCCATGTAGGCCATTCTGGACAAAGCTCCTGGAC 363
 Db 1877 GGGAAACCCCTTGCCCCATGTATGCCCTGGACAAAGCTCCTGGAC 1936

Qy 364 CATCACTGAGAAAAGCGTGATAATGGTGTCAAGTGTCAACTAAAGCTGACTT 423
 Db 1937 CATCACTGAGAAAAGCGGTGATAATGGTGTCAACTAAAGCTGACTT 1996

Qy 424 CCCAGAGAACGTT 435
 Db 1997 TCCAGAACAT 2008

RESULT 8
 Sequence 9491. Application US/09960352
 Patent No. US20020137139A1
 GENERAL INFORMATION:
 APPLICANT: Warren, Wesley C.
 APPLICANT: Tao, Ningbing
 APPLICANT: Bryant, John C.
 APPLICANT: Mathialagan, Nagappan
 APPLICANT: Matilalagan, Nagappan
 TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
 TITLE OF INVENTION: NUCLEIC ACID AND FAT DEPOSITION
 FILE REFERENCE: 16511.00/3711(1098)C
 CURRENT APPLICATION NUMBER: US/09/960,352
 CURRENT FILING DATE: 2001-09-24
 NUMBER OF SEQ ID NOS: 15112
 LENGTH: 4181
 TYPE: DNA
 ORGANISM: Bos taurus
 OTHER INFORMATION: Clone ID: 41-LIB2809-013-Q1-E1-C10
 SEQ ID NO 9491

Query Match 8 Score 169.6; DB 14; Length 4409;
 Best Local Similarity 92.7%; Pred. No. 2.8e-28;
 Matches 178; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 246 CAATATCTTTACTCTTCATGGGACATTGTACAATATCATCGGG 305
 Db 1776 CCAAACACTTCCTCTTGATAGGAATGGTACAACAGTCACCATCGAG 1835

Qy 246 CAATATCTTTACTCTTCATGGGACATTGTACAATATCATCGGG 305
 Db 306 GAACACCCTCTGGCCCTGATGGCCCTGGAAAGCTCCCTTCTGAATTGACTCA 365

Qy 1836 GGCAACTCTGGCCCTGGATGGCTCAACATGGCTCA 1895

Qy 366 TCAGTAGAAAACGGCTGCATATTGGTGTCAAGTGTCACTTAAGCTGACTTCC 425
 Db 1896 TCAGTAGAAAACGGCTGCATATTGGTGTCAAGTGTCACTTAAGCTGACTTCC 1955

Qy 426 CAGCAACT 435
 Db 1956 CGGAAACAT 1965

RESULT 10
 Sequence 9055. Application US/09783590
 Patent No. US2002010850A1
 GENERAL INFORMATION:
 APPLICANT: Dillion, Patrick J.
 APPLICANT: Li, Haodong
 APPLICANT: Haseltine, William A.
 APPLICANT: Rosen, Steven M.
 APPLICANT: Ruben, Craig A.
 APPLICANT: Haseltine, William A.
 APPLICANT: Dillon, Patrick J.
 APPLICANT: Li, Haodong
 APPLICANT: Haseltine, William A.
 APPLICANT: Rosen, Steven M.
 APPLICANT: Ruben, Craig A.
 TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 16.2
 FILE REFERENCE: PO-16-2C1
 CURRENT APPLICATION NUMBER: US/09/783,590
 CURRENT FILING DATE: 2000-02-15
 PRIOR APPLICATION NUMBER: 08/420,856
 PRIOR FILING DATE: 1995-04-12
 PRIOR APPLICATION NUMBER: 08/346,731
 PRIOR FILING DATE: 1994-11-21

RESULT 9
 Sequence 1343. Application US/09917800A
 Patent No. US20020119462A1
 GENERAL INFORMATION:
 APPLICANT: Mandler, Donna
 APPLICANT: Porter, Mark
 APPLICANT: Johnson, Kory
 APPLICANT: Castle, Arthur

US-09-917-800A-1343
 Sequence 1343, Application US/09917800A
 Patent No. US20020119462A1
 GENERAL INFORMATION:
 APPLICANT: Mandler, Donna
 APPLICANT: Porter, Mark
 APPLICANT: Johnson, Kory
 APPLICANT: Castle, Arthur

```

NUMBER OF SEQ ID NOS: 12485
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 9055
LENGTH: 512
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (10)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (13)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (16)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (19)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (144)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (166)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (172)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (215)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (221)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (224)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (222)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (268)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (269)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (274)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (280)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (285)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (297)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (308)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (310)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (333)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (342)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (352)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (36)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (371)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (372)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (375)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (376)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (377)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (385)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (408)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (390)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (420)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (422)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (431)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (432)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (436)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (439)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (442)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (450)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (460)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (473)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (476)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (485)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (487)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature

```


NUMBER OF SEQ ID NOS: 5379
SEQ ID NO: 4135
LENGTH: 2000
TYPE: DNA
ORGANISM: Arabidopsis thaliana
US-09-938-842A-4135

Query Match 5.7%; Score 48.8; DB 9; Length 2000;
Best Local Similarity 53.4%; Pred. No. 0.59;
Matches 126; Conservative 0; Mismatches 107; Indels 3; Gaps 1;

86 TTATTTACCTTTTATTGCAAGTAGTTATGTCAATTCTAAATTGATAATTAAA 145
1205 TTATTTAGTTATCCTTTAAATTATCATATTGTTATTTAAACTAACAA 1146

92 146 AATTCTCTGCAAATATGAGGGACCCATAAAATGTGATATGAAATGAGCA 205
1145 ATTAACCTAAATATGGAATCAGTCGATAARCTTGAAATTACATGAGA 1056

92 206 GATAATAAGATTAACCTTTCTTGTCAAAGGAGACTCATATCTTACTCTTCAT 265
1085 GAATATAAAATTTCTTGG--AAAGACAGTTCACTTTTAAATTGTACAA 1029

92 266 GAGCACATTGTGACAAAATGTTCCCCATAATCATCGGGAAACCAACTCTGGCCC 321
1028 AGGAGAATGCGAGGTATTGTGCTCCCCCTGGGAAATACCAAAAGCAC 973

RESULT 14
US-09-938-842A-4135/c
Sequence 4135, Application US/09938842A
Publication No. US2004000947649
GENERAL INFORMATION:
APPLICANT: Harper, Jeff
APPLICANT: Krep, Joel
APPLICANT: Wang, Xun
APPLICANT: Zhu, Tong
TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
TITLE OF INVENTION: SAME, AND METHODS OF USE
FILE REFERENCE: Sкрип1300-3
CURRENT APPLICATION NUMBER: US/09/938, 842A
CURRENT FILING DATE: 2001-08-24
PRIOR APPLICATION NUMBER: US 60/227, 866
PRIOR FILING DATE: 2000-08-24
PRIOR APPLICATION NUMBER: US 60/264, 647
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: US 60/300, 111
PRIOR FILING DATE: 2001-06-22
NUMBER OF SEQ ID NOS: 5379
LENGTH: 2000
TYPE: DNA
ORGANISM: Arabidopsis thaliana
US-09-938-842A-4135

Query Match 5.7%; Score 48.8; DB 11; Length 2000;
Best Local Similarity 53.4%; Pred. No. 0.59;
Matches 126; Conservative 0; Mismatches 107; Indels 3; Gaps 1;

86 TTATTTACCTTTTATTGCAAGTAGTTATGTCAATTCTAAATTGATAATTAAA 145
1205 TTATTTAGTTATCCTTTCAAAATTATGAAATTATGTTATTTCAACTAACAA 1146

92 146 AATTCTCTGCAAATATGAGGGACCTCATAAATTATGCAATTCTAAATTGAGCA 205
1145 ATTAAAACCTAAATATGAAATCAAGTGGATAACTCTAAATTCACTTGAGA 1086

92 206 GATAATAAGATTTAGCTTTCTTGTAAAGGAGCTCATATCTTAAATTCTTCAT 265
1085 GAATATAAAATTTCTTGG--AAAGACAGTTCACTTTTAAATTGTACAA 1029

92 266 GAGGACATTGTGACAAATGTTCCCCATAATCATCGGGAAACCACTCTGGCCC 321

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nuclease - nucleic search, using sw model

Run on: March 22, 2004, 04:12:41 ; Search time 116.069 Seconds
(Without Alignments)
4116.644 Million cell updates/sec

Title: US-09-308-080-1

Perfect score: 861

Sequence: 1 TGTATGAGATAATTATTAA 861

Scoring table: IDENTITY_NUC
Gapext 1.0

Searched: 682709 seqs, 27747546 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Listing First 45 Summaries

Database : Issued Patents NA:
 1: /cgn2_6/ptodata/2/ina/5A COMB.seq;*
 2: /cgn2_6/ptodata/2/ina/5B COMB.seq;*
 3: /cgn2_5/ptodata/2/ina/6A COMB.seq;*
 4: /cgn2_6/ptodata/2/ina/6B COMB.seq;*
 5: /cgn2_6/ptodata/2/ina/PCTUS.COMB.seq;*
 6: /cgn2_6/ptodata/2/ina/backfile1.seq;*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	171.2	19.9	3951	3 US-09-138-103-1	Sequence 1, Appli
2	171.2	19.9	3951	4 US-09-962-665.3	Sequence 3, Appli
3	171.2	19.9	3951	4 US-09-962-333.3	Sequence 3, Appli
4	171.2	19.9	3957	2 US-08-304-309-1	Sequence 1, Appli
5	171.2	19.9	3957	3 US-08-991-942-1	Sequence 1, Appli
6	169.6	19.7	4368	5 PCT-US95-04567-3	Sequence 3, Appli
7	153.4	17.8	4414	5 PCT-US95-04567-1	Sequence 1, Appli
8	150.2	17.4	4447	2 US-08-304-309-3	Sequence 3, Appli
9	150.2	17.4	4447	3 US-08-991-942-3	Sequence 3, Appli
c 10	47	5.5	7218	1 US-08-232-463-14	Sequence 14, Appli
c 11	46.6	5.4	5852	1 US-07-867-106-2	Sequence 2, Appli
c 12	42.8	5.0	1781	4 US-09-499-302A-1	Sequence 1, Appli
c 13	42.4	4.9	13737	4 US-09-538-414-10	Sequence 10, Appli
c 14	42.4	4.9	13737	4 US-10-074-279-10	Sequence 10, Appli
c 15	41.6	4.8	1664975	4 US-08-916-42-B-1	Sequence 1, Appli
c 16	41	4.8	3947	3 US-08-975-762-47	Sequence 47, Appli
c 17	41	4.8	3947	3 US-09-295-028-47	Sequence 47, Appli
c 18	41	4.8	3947	4 US-09-106-582-47	Sequence 47, Appli
c 19	41	4.8	3947	4 US-09-159-469-47	Sequence 47, Appli
c 20	41	4.8	3947	4 US-09-693-542-47	Sequence 47, Appli
c 21	40.2	4.7	832	4 US-09-621-976-813	Sequence 2813, Appli
c 22	39.4	4.6	60681	4 US-09-790-988-1	Sequence 1, Appli
c 23	39.2	4.6	116592	4 US-09-818-512-3	Sequence 3, Appli
c 24	39	4.5	546	4 US-09-621-976-10684	Sequence 10684, A
c 25	39	4.5	11049	4 US-10-204-708-22	Sequence 22, Appli
c 26	38.8	4.5	915	4 US-09-134-000C-2588	Sequence 2588, AP
c 27	38.8	4.5	640681	4 US-09-790-988-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1 US-09-138-103-1					
; Sequence 1, Application US/09138103A ; Patent No. 6232448 ; GENERAL INFORMATION: ; APPLICANT: Yoshi Kubo, Takashi ; TITLE OF INVENTION: Immunological Materials and Methods for Detecting ; Dihydroxypyrimidine Dehydrogenase ; FILE REFERENCE: 09/138,103 Yoshi Kubo, ; et al. ; CURRENT APPLICATION NUMBER: US/09/138,103A ; CURRENT FILING DATE: 1998-08-21 ; EARLIER APPLICATION NUMBER: 97114630.3 ; EARLIER FILING DATE: 1997-08-22 ; NUMBER OF SEQ ID NOS: 8 ; SOFTWARE: PatentIn Ver. 2.0 ; SEQ ID NO 1 ; LENGTH: 3951 ; TYPE: DNA ; ORGANISM: HOMO sapiens US-09-138-103-1					
Query Match	19.9%	Score 171.2;	DB 3;	Length 3951;	
Best Local Similarity	93.2%	Pred. No. 5.0e-32;			
Matches	179;	Mismatches	13;	Indels	0;
Gaps	0;				
Qy	244 CTCATATCTTACTCTTCATGGACATTGCAATGTTCCCGCATATACTCG	303			
Db	1797 CACCAAACCTTCCTCTGATAGGACATTTGCAATGTTCCCGAGATCTCG	1856			
Qy	304 GGAAACACTCTGCCCATGATGGCCTGACAAAGCTCTTCTGAATTGAGCT	363			
Db	1857 GGGACACCTCTGCCCATGATGGCCTGACAAAGCTCTTCTGAATTGAGCT	1916			
Qy	364 CTCAGTGAGAAAAGGCTGCATATTGGTCAAAGTGTACAGCTAAAGCTGACTT	423			
Db	1917 CTCAGTGAGAAAAGGCTGCATATTGGTCAAAGTGTACAGCTAAAGCTGACTT	1976			

**RESULT 2
US-09-962-665-3**

; Sequence 3, Application US/0992665 ; Patent No. 6537759 ; GENERAL INFORMATION: ; APPLICANT: Stanton, Jr., Vincent P. ; TITLE OF INVENTION: POLYGLUTAMATE SYNTHETASE GENE SEQUENCE					
Qy	424 CCCAGCAACGT	435			
Db	1977 CCCAGCAACAT	1988			

TITLE OF INVENTION: VARIANCES HAVING UTILITY IN DETERMINING THE
 FILE REFERENCE: 11926-015004
 CURRENT APPLICATION NUMBER: US/09/962, 665
 CURRENT FILING DATE: 2001-09-24
 PRIOR APPLICATION NUMBER: 09-658, 659
 PRIOR FILING DATE: 2000-09-08
 PRIOR APPLICATION NUMBER: 09-596, 033
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 09-357, 743
 PRIOR FILING DATE: 1999-07-20
 PRIOR APPLICATION NUMBER: 09-357, 024
 PRIOR FILING DATE: 1999-07-19
 PRIOR APPLICATION NUMBER: 60/093, 484
 PRIOR FILING DATE: 1998-07-20
 NUMBER OF SEQ ID NOS: 16
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 3
 LENGTH: 3951
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE: misc_feature
 NAME/KEY: misc_feature
 LOCATION: 166, 3432, 3682, 3937
 OTHER INFORMATION: n = t or c
 NAME/KEY: misc_feature
 LOCATION: 577, 638, 1708, 3730, 3925
 OTHER INFORMATION: n = a or g
 US-09-962-665-3

Query Match 19.9%; Score 171.2; DB 4; Length 3951;
 Best Local Similarity 93.2%; Pred. No. 5.6e-32; Indels 0; Gaps 0;
 Matches 179; Conservative 0; Mismatches 0; Gaps 0;

Qy 244 CTCATATCTTACTTTCATGAGACATTGTGAAATGTTCCCTATAATCTCG 303
 Db 1797 CACCAAAACTCTCTTGATAAGCACATTGTGAAATTTCCCGAATCTCG 1856
 Qy 304 GGAAACCCTCTGGCCAGTATGCCCTGGACAAGCCTCTGATAATAGCT 363
 Db 1857 GGAAACCCTCTGGCCCTGACAAAGCTCTTGATAATAGCT 1916
 Qy 364 CATAGTGAGAAAAGGTGATATGGTCAAGTGCTGAAGTGTGACTTAAGGTGACTT 423
 Db 1917 CATGGTGAGAAAAGGTGATATGGTCAAGTGCTGAAGTGTGACTTAAGGTGACTT 1976

RESULT 4
 US-08-304-309-1
 Sequence 1, Application US/08304309
 Patent No. 5856454
 GENERAL INFORMATION:
 APPLICANT: GONZALEZ, Frank J.
 APPLICANT: FERNANDEZ-SALGUERO, Pedro
 TITLE OF INVENTION: CLONING AND EXPRESSION OF cDNA FOR HUMAN
 DIHYDROPRIMIDINE DEHYDROGENASE
 NUMBER OF SEQUENCES: 13
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend Khourie and Crew
 STREET: Stewart Street Tower, One Market Plaza
 CITY: San Francisco
 STATE: California
 COUNTRY: US
 ZIP: 94105-1493
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/304,309
 FILING DATE: 09-SEP-1994
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Smith, Timothy L.
 REGISTRATION NUMBER: 35,367
 REFERENCE/DOCKET NUMBER: 15280-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 543 9600
 TELEFAX: (415) 543-5043
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3957 base pairs
 TYPE: nucleic acid

RESULT 3
 US-09-963-333-3
 Sequence 3, Application US/09633333
 Patent No. 6664062
 GENERAL INFORMATION:
 APPLICANT: Stanton, Jr., Vincent P.
 TITLE OF INVENTION: THYMIDINE SYNTHASE GENE SEQUENCE VARIANCES
 HAVING UTILITY IN DETERMINING THE TREATMENT
 OF DISEASE
 FILE REFERENCE: 11946-015002
 CURRENT APPLICATION NUMBER: US/09/963, 333
 CURRENT FILING DATE: 2001-09-24
 PRIOR APPLICATION NUMBER: 09-658, 659
 PRIOR FILING DATE: 2000-09-08
 PRIOR APPLICATION NUMBER: 09-596, 033
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 09-357, 743
 PRIOR FILING DATE: 1999-07-20
 PRIOR APPLICATION NUMBER: 09-357, 024
 PRIOR FILING DATE: 1999-07-19
 PRIOR APPLICATION NUMBER: 60/093, 484
 PRIOR FILING DATE: 1998-07-20

STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 88..3162
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: 1..3957
 OTHER INFORMATION: /product= "Human DPD"
 US-08-304-309-1

Query Match 19.9%; Score 171.2; DB 2; Length 3957;
 Best Local Similarity 93.2%; Pred. No. 5.6e-32;
 Matches 179; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
 Qy 244 CTCAATATCTTACTCTTCATGAGGACATTGTGACAAATGTTCTGAATAATTGACCG 303
 Db 1803 CACCAAACCTTCTCCTGATAAGGACATTTGACAATGGTCCCGAATGATCCG 1862
 Qy 304 GGAAACCACCTCTGCCCATGATGGCCCTGACAAAGCTCTTGAAATTTGACCT 363
 Db 1863 GGGAAACCACCTCTGCCCATGATGGCCCTGACAAAGCTCTTGAAATTTGACCT 1922
 Qy 364 CTCAGTGAAAACGGCTGCATATTGGTGTCAAAGTGTACTGAACTAAGGCTGACT 423
 Db 1923 CATCAGTGAAAACGGCTGCATATTGGTGTCAAAGTGTACTGAACTAAGGCTGACT 1982
 Qy 424 CCCAGAACGT 435
 Db 1983 CCCAGAACAT 1994

RESULT 5
 US-08-991-942-1
 Sequence 1, Application US/08991942
 Patent No. 6015673
 GENERAL INFORMATION:
 APPLICANT: GONZALEZ, Frank J.
 APPLICANT: FERNANDEZ-SALGUERO, Pedro
 TITLE OF INVENTION: CLONING AND EXPRESSION OF cDNA FOR HUMAN
 TITLE OF INVENTION: DIHYDRO PYRIMIDINE DEHYDROGENASE
 NUMBER OF SEQUENCES: 13
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend Khourie and Crew
 STREET: Steuart Street Tower, One Market Plaza
 CITY: San Francisco
 STATE: California
 COUNTRY: US
 ZIP: 94105-1493
 COMPUTER READABLE FORM:
 MEDIUM: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/991,942
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/304,309
 ATTORNEY/AGENT INFORMATION:
 NAME: Smith, Timothy L.
 REGISTRATION NUMBER: 35,367
 REFERENCE/DOCKET NUMBER: 15280-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 543-9600
 TELEFAX: (415) 543-5043
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3957 base pairs
 TYPE: nucleic acid

RESULT 6
 PCT-US95-04567-3
 Sequence 3, Application PC/TUS9504567
 GENERAL INFORMATION:
 APPLICANT:
 TITLE OF INVENTION: DIHYDRO PYRIMIDINE DEHYDROGENASE
 TITLE OF INVENTION: COMPOSITIONS AND METHODS OF USE
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Arnold, White & Durkee
 STREET: P.O. Box 4433
 CITY: Houston
 STATE: Texas
 COUNTRY: United States of America
 ZIP: 77210
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS MS-DOS/ASCII
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/04567
 FILING DATE: CONCURRENTLY HEREBWITH
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,357
 FILING DATE: 13-APR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Wilson, Mark B.
 REGISTRATION NUMBER: 37,259
 REFERENCE/DOCKET NUMBER: UOAB025P--
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (512) 418-3000
 TELEFAX: (713) 789-2679
 TELEX: 79-0924
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 4368 base pairs

TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLogy: linear
 MOLECULE TYPE: DNA
 FEATURE: CDS
 NAME/KEY: PCT-US95-04567-3
 LOCATION: 49..3123

Query Match 19..7%; Score 169..6; DB 5; Length 4369;
 Best Local Similarity 92..7%; Pred. No. 1..4..31..; Indels 0; Gaps 0;
 Matches 178; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 244 CTCAATATCCTTACCTTCATGAGGACATTGGACAAATGTTCCCATATCATCG 303
 Db 1764 CACCAAACCTTCTCTCTGATGAAATGTTCCCATATCATCG 1823

Qy 304 GGAAACCCCTGGCCCATGATGGCCATGTTGAAATATTGAGCT 363
 Db 1824 GGAAACCCCTGGCCCATGATGGCCATGTTGAAATATTGAGCT 1883

Qy 364 CATCAGTGAGAAAACGCTGCAATTGGTSTCAAAAGGTGACTT 423
 Db 1884 CATCAGTGAGAAAACGCTGCAATTGGTSTCAAAAGGTGACTT 1943

Qy 424 CCCAGAAACGT 435
 Db 1944 TCCAGAAACAT 1955

RESULT 7
 PCT-US95-04567-1
 Sequence 1, Application PC/TUS9504567
 GENERAL INFORMATION:
 APPLICANT: TITLE OF INVENTION: DIHYDROPRIMIDINE DEHYDROGENASE
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Arnold, White & Durkee
 STREET: P.O. Box 4433
 CITY: Houston
 STATE: Texas
 COUNTRY: United States of America
 ZIP: 77210
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
 SOFTWARE: Patent In Release #1.0, Version #.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/04567
 FILING DATE: CONCURRENTLY HERENITH
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,357
 FILING DATE: 13-APR-1994
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Wilson, Mark B.
 REGISTRATION NUMBER: 37,259
 REFERENCE/DOCKET NUMBER: UCAB025P--
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (512) 418-3000
 TELEX: (713) 789-2679
 TELEX: 79-0924
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 4414 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear

MOLECULE TYPE: DNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 68..3142

Query Match 17..8%; Score 153..4; DB 5; Length 4414;
 Best Local Similarity 88..8%; Pred. No. 1..1..2..7..; Indels 0; Gaps 0;
 Matches 166; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 246 CAATATCCTTACCTTCATGAGGACATTGGACAAATGTTCCCATATCATCGGG 305
 Db 1785 CCAAACACTTCCTCTGATGAAATGTTACCATGTTACCATCGGG 1844

Qy 306 GAACCACTCTGCCCATGATGGCCATGTTGAAATATTGAGCTCA 365
 Db 1845 GGACCACTCTGCCCATGATGGCCATGTTGAAATATTGAGCTCA 1904

Qy 366 TCACTGAGAAAACGGCTGCATATTGGTGTCAAAAGTGTCAACTGAACAAAGGTGACTTCC 425
 Db 1905 TCACTGAGAAAACGGCTGCATATTGGTGTCAAAAGTGTCAACTGAACAAAGGTGACTTCC 1964

Qy 426 CGACAA 432
 Db 1965 CAGCAA 1971

RESULT 8
 US-08-304-309-3
 Sequence 3, Application US/08304309
 Patent No. 5856654
 GENERAL INFORMATION:
 APPLICANT: GONZALEZ, Frank J.
 APPLICANT: FERNANDEZ-SALGIERO, Pedro
 TIME OF INVENTION: CLONING AND EXPRESSION OF cDNA FOR HUMAN
 TITLE OF INVENTION: DIHYDROPRIMIDINE DEHYDROGENASE
 NUMBER OF SEQUENCES: 13
 CORESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend Khourie and Crew
 STREET: Stewart Street Tower, One Market Plaza
 CITY: San Francisco
 STATE: California
 COUNTRY: US
 ZIP: 94105-1493
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DC/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US 08/304,309
 FILING DATE: 09-SEP-1994
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Smith, Timothy L.
 REGISTRATION NUMBER: 35,367
 REFERENCE/DOCKET NUMBER: 15280-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 543-9600
 TELEFAX: (415) 543-5043
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 4447 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 88..3162
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: 1..4447

OTHER INFORMATION: /product= "Pig DPD"

US-08-308-3
 Query Match 17.4%; Score 150.2; DB 2; Length 4447;
 Best Local Similarity 87.7%; Pred. No. 6.1e-7;
 Matches 164; Conservative 0; Mismatches 23; Indels 0; Gaps 0;
 Qy 246 CAATATCTTACTCTTCTGAGGACATTGTGACAATAATCATCCGGG 305
 Db 1805 CCAAAACTTCTCTCTGATAAGGACATAGTGCAACATGTCACCCAGA 1864
 Qy 306 GAACCACTCTGCCCTCATGTGCCCTGGACAAGCTCCTTCTGAATAATTGACTCA 365
 Db 1865 GGACTTACCTCTGCCCTCATGTGCCCTGGACAAGCTCCTTCTGAATAATTGACTCA 1924
 Qy 366 TCACTGAGAAAAGGCTGCAATTGGTCATCGTCAAGTGTCAAGTGTCAAGTGTCAACTGACTTC 425
 Db 1925 TCACTGAGAAAAGGCTGCAATTGGTCATCGTCAAGTGTCAAGTGTCAACTGACTTC 1984
 Qy 426 CAGACAA 432
 Db 1985 CAGACAA 1991

RESULT 9

US-08-991-942-3
 Sequence 3, Application US/08991942
 Patent No. 6015673
 GENERAL INFORMATION
 APPLICANT: GONZALEZ-SALGUERO, Pedro J.
 TITLE OF INVENTION: CLONING AND EXPRESSION OF cDNA FOR HUMAN
 TITLE OF INVENTION: DIHYDROPYRIMIDINE DEHYDROGENASE
 NUMBER OF SEQUENCES: 13
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend and Crew
 STREET: Steuart Street Tower, One Market Plaza
 CITY: San Francisco
 STATE: California
 COUNTY: US
 ZIP: 94105-1493
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK
 COMPUTER: IBM PC COMPATIBLE
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/991,942
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/304,309
 FILING DATE: 09-SEP-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Smith, Timothy L.
 REGISTRATION NUMBER: 35,367
 REFERENCE/DOCKET NUMBER: 15280-210
 TELECOMMUNICATION INFORMATION:
 TELEFAX: (415) 543-9600
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 4447 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 88..3162
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: 1..4447

OTHER INFORMATION: /product= "Pig DPD"

US-08-991-942-3
 Query Match 17.4%; Score 150.2; DB 3; Length 4447;
 Best Local Similarity 87.7%; Pred. No. 6.1e-27;
 Matches 164; Conservative 0; Mismatches 23; Indels 0; Gaps 0;
 Qy 246 CAATATCTTACTCTTCTGAGGACATTGTGACAATAATCATCCGGG 305
 Db 1805 CCAAAACTTCTCTCTGATAAGGACATAGTGCAACATGTCACCCAGA 1864
 Qy 306 GAACCACTCTGCCCTCATGTGCCCTGGACAAGCTCCTTCTGAATAATTGACTCA 365
 Db 1865 GGACTTACCTCTGCCCTCATGTGCCCTGGACAAGCTCCTTCTGAATAATTGACTCA 1924
 Qy 366 TCACTGAGAAAAGGCTGCAATTGGTCATCGTCAAGTGTCAAGTGTCAAGTGTCAACTGACTTC 425
 Db 1925 TCACTGAGAAAAGGCTGCAATTGGTCATCGTCAAGTGTCAAGTGTCAACTGACTTC 1984
 Qy 426 CAGACAA 432
 Db 1985 CAGACAA 1991

RESULT 10

US-08-232-463-14/c
 Sequence 14, Application US/08232463
 Patent No. 5670357
 GENERAL INFORMATION
 APPLICANT: DORNER, F.
 APPLICANT: SCHETTLINGER, F.
 APPLICANT: FAULKNER, F. G.
 TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
 NUMBER OF SEQUENCES: 52
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Foley & Lardner
 STREET: 1800 Diagonal Road, Suite 500
 CITY: Alexandria
 STATE: VA
 COUNTRY: USA
 ZIP: 22313-0299
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/232,463
 FILING DATE:
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/07/935,313
 FILING DATE:
 APPLICATION NUMBER: EP 91 114 300.6
 FILING DATE: 26-AUG-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: BENT, Stephen A.
 REGISTRATION NUMBER: 29,768
 REFERENCE/DOCKET NUMBER: 30472/114 IMMU
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 836-9200
 TELEFAX: (703) 683-4109
 TELEX: 899149
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 7218 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 CLONE: PTZ9pt-F1s
 US-08-232-463-14

Query Match Score 47; DB 1; Length 7218;
 Best Local Similarity 6.5%; Pred. No. 0.035; Mismatches 206; Indels 0; Gaps 0;
 Matches 26; Conservative 171; Feature: NO

Qy 294 TAATCATCGGGAAACCACTCTGGCCCATGTAGCCTGGAAAGCTCCCTTCGAA 353
 Db 1494 TAGGATCATCTGTAATTACCTATCATGGTAGTAAAGAGITAGAGAATTGGTAC 1435
 Qy 354 ATATTGAGCTCATGAGAAAACGGCTCATATGGTCAAAGTGTCACTGAACTA 413
 Db 1434 RR 1375
 Qy 414 AGGCTGACTCCAGACAACCTAACATGATAAACATGGCTATATGCTATAT 533
 Db 1374 RR 1315
 Qy 474 GTTGGTGAATGTTTATTAACATCCAAATCATGGCTATATGCTATAT 533
 Db 1314 RR 1255
 Qy 534 TTATCAAGAACTGCOAGTGCCTGCTTGCATAGAAAGATAAAAGAAAG 593
 Db 1254 RR 1195
 Qy 594 CTCAGACTATAAAACCAACACATGAAAGCTGTATTAATGGTGCATGAA 653
 Db 1194 RR 1135
 Qy 654 GATGGAAAGATCTACATAAGCAGAAAGAGAAATGAA 696
 Db 1134 RR 1092

RESULT 11
 US-07-867-106-2/c
 ; Sequence 2, Application US/07867106
 ; Parent No. 5389526
 ; GENERAL INFORMATION:
 ; APPLICANT: Slade, Martin B
 ; APPLICANT: Chang, Andy C M
 ; APPLICANT: Williams, Keith L
 ; TITLE OF INVENTION: Improved Plasmid Vectors for Cellular
 ; TITLE OF INVENTION: Slime Moulds of the Genus Dictyostelium
 ; NUMBER OF SEQUENCES: 19
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & NO. 5389526ris
 ; STREET: One Liberty Place 46th Floor
 ; CITY: Philadelphia
 ; STATE: PA
 ; ZIP: 19103
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07867106
 ; FILING DATE: 1990-02-25
 ; PRIOR APPLICATION NUMBER: AU BJ 7187
 ; APPLICATION NUMBER: PCT/AU90/000530
 ; FILING DATE: 02-NOV-1989
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Feeney, Joanne Longo
 ; REGISTRATION NUMBER: 5/134
 ; REFERENCE/DOCKET NUMBER: RICE-0002
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 215-568-3100
 ; TELEFAX: 215-568-3439
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 5852 base pairs

Query Match Score 46.6; DB 1; Length 5852;
 Best Local Similarity 49.0%; Pred. No. 0.042; Mismatches 0; Indels 0; Gaps 0;
 Matches 124; Feature: NO

Qy 17 TATTGTTGTTTTCGCTGCTAACCTAGGGTACAAGAGTATTATCTGGAGCTA 76
 Db 2036 TTTCATTTTTTTTCAGTAAAGAAAAAAAGAAAAATA 1977
 Qy 77 ACAAAACTTATTACCTTTTATTTGCAACTCTAAATTAAATG 136
 Db 1976 GAAAAAAAGTGGTAAACTACATTATTTATAGTTTGCAATTAAATACTT 1917
 Qy 137 TATATAAATTCCTGCATAATGTGAGGGACCTCATAAATAATGTCATATGG 196
 Db 1916 TTAATTTAAATGATTTTAAATTAGAGCTCTATAAAATAATTAAATTTA 1857
 Qy 197 AAATGACAGATAATAAGATAATGGTTCTTGTCAANAGGAGACTCATATTTA 256
 Db 1856 AAAAAGAAAAAAAGAAAAAAAGAAAAAAAGATAGATTATTAATTTAAATTCATCAATC 1797
 Qy 257 CTCTTCATGAGG 269
 Db 1796 TTTATTAATTAG 1784

RESULT 12
 US-09-499-302A-1
 ; Sequence 1, Application US/09499302A
 ; Patent No. 6365212
 ; GENERAL INFORMATION:
 ; APPLICANT: BOUNG-JUN, OH
 ; APPLICANT: MOON, KYUNG KO
 ; APPLICANT: YOUNG, SOON KIM
 ; TITLE OF INVENTION: A CHROMO P450 GENE HIGHLY EXPRESSED IN THE
 ; INCOMPATIBLE INTERACTION
 ; FILE REFERENCE: 10324/P6444US0
 ; CURRENT APPLICATION NUMBER: US/09/499,302A
 ; NUMBER OF SEQ ID NOS: 10
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 1781
 ; TYPE: DNA
 ; ORGANISM: Capsicum annuum
 ; US-09-499-302A-1

Query Match Score 42.8; DB 4; Length 1781;
 Best Local Similarity 51.6%; Pred. No. 0.26; Mismatches 92; Indels 0; Gaps 0;
 Matches 98; Feature: NO

Qy 422 TTCCGAGAACGTAAGTGTGATAAATCTAAACAGAGATGGCATAAAGTGTGAA 481
 Db 1586 TTGGGAGAAATTCAAACTTCATCACTAACTATATACTGTTCTAGGTGTTTT 1645
 Qy 482 ATGTTATTTAAACATCCATTCAAGTCAAGCTATAAAATTATGTTATTTAAC 541
 Db 1646 ATTACCACTCTATATGTTGACTCAATAATTGTTGGTACTCAATAATTATACA 1705
 Qy 542 GAATGCCGAGTTGCTGCTGATGCAAGATAAAAGAAAGTCAGAA 601

```

Db 1706 GATAATGGATTTCATTTCATGTTAAAAAAGAAAAAA 1765
Qy 602 CTCATAGAA 611
Db 1766 AAAAAGAAA 1775

RESULT 13
US-09-538-414-10
; Sequence 10, Application US/09538414
; Patent No. 6316655
; GENERAL INFORMATION:
; APPLICANT: Hohn, T.
; APPLICANT: Salmeron, J.
; APPLICANT: Peters, C.
; APPLICANT: Kendra, D.
; APPLICANT: Reinders, J.
; APPLICANT: Kuznia, R.
; APPLICANT: Dill-Mackey, R.
TITLE OF INVENTION: Transgenic Plant and Methods
FILE REFERENCE: sequence list
CURRENT APPLICATION NUMBER: US/09/538,414
CURRENT FILING DATE: 2000-03-29
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
LENGTH: 13737
TYPE: DNA
ORGANISM: Plasmid
FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Plasmid
US-09-538-414-10

Query Match Score 42.4; DB 4; Length 13737;
Best Local Similarity 50.4%; Pred. No. 0_51;
Matches 129; Conservative 0; Mismatches 126; Indels 1;
Gaps 1;

Qy 12 ATAAAATTTTGTCTTTCGCTGTTCAACCTAGGGTTACAAGAAGTAATTATCTGG 71
Db 12615 ATTAGGTGTAGAGTTGGATTAAACCAAAAGGTGTTCTAAAAAATCTCAATTG 126
Qy 72 AGCTAACAAACTTATTTACCTTTTACCTTTTATTTGGAAAGTAGTTATGTTCAAATT 131
Db 12675 GTAGATAAGTTCCATTATTAATTAGTCATGGTAGATCTTTTCTTTCTTTAT 127
Qy 132 TAATGTTATTAATTAATTCTCTGAAATATGTGGGGACCTCTAATAATATGTCA 191
Db 12735 TAGAGTAGATTAGATCTCTTATGCCAAGTTGATAATTAAATCA-AGRAATAAACT 127
Qy 192 TATGAAATGAGCAGATAATAAGGATTATAGCTTTCTCTCAAAGGGGACTTAAT 251
Db 12794 ATCATATCACATGAAATTAAAGAAAATCTCATATACTTATGTTCTCTTAT 128
Qy 252 CTTTTACTCTTCATGA 267
Db 12854 ATATTATGTTGCTTA 12869

RESULT 14
US-10-074-279-10
; Sequence 10, Application US/10074279
; Patent No. 6646184
; GENERAL INFORMATION:
; APPLICANT: Hohn, T.
; APPLICANT: Salmeron, J.
; APPLICANT: Peters, C.
; APPLICANT: Reinders, J.
; APPLICANT: Kuznia, R.
; APPLICANT: Dill-Mackey, R.
; TITLE OF INVENTION: Transgenic Plant and Methods
CURRENT APPLICATION NUMBER: US/10/074,279

```

```

OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (98120)..(98120)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (98159)..(98159)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (98233)..(98239)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (98266)..(98266)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (98343)..(98343)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (103988)..(103998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (118948)..(148948)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (163358)..(163358)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (191989)..(191989)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (191995)..(191995)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (231580)..(234220)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (234187)..(234187)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (309398)..(309398)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (312993)..(312993)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (312837)..(312837)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (551167)..(559167)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (552261)..(553241)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (60592)..(600992)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (622708)..(622708)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (655081)..(657081)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (674435)..(674435)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (682442)..(682442)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (713652)..(713652)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (741684)..(741684)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (779455)..(779455)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (779676)..(779676)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (855539)..(855539)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (871719)..(871719)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1084830)..(1084830)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1096846)..(1096846)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1119881)..(1119881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1130881)..(1130881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1310988)..(1310988)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1349473)..(1349473)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1470091)..(1470091)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1569020)..(1569020)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1602912)..(1602912)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1633734)..(1603734)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1633998)..(1633998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1664854)..(1664855)
OTHER INFORMATION: n equals a, t, c, or g
US-08-916-421B-1
Query Match 4.8%; Score 41.6%; DB 4; Length 1664976;
Best Local Similarity 51.0%; Pred. No. 2, 4;

```

	Matches	98;	Conservative	0;	Mismatches	94;	Indels	0;	Gaps	0;
Qy	444	TAAAAATCTAAAACACAGGAAATTGGCATAAAGTTGTGAATGTTTAAACATCCAAATT								503
Db	1085407	TAAGATCATAACCTATCACCACCAAAAGTATTGTTGGGTTTATCATACATTGGTATT								1085348
Qy	504	CATAGGCCTTAAATTTAATGTTGATATTATTCACGAACTCCAGTGTGCTTGCCTG								563
Db	1085347	AAAAACATTTTAGCATTAATTTCATTTAAATTCTTGAAATTAAATTATTTAGAT								1085288
Qy	564	ATGCCATAGAAGATAAAAAGAAAAGGAAAGTCAGAACTCATAAAAACCAACAAATGT								633
Db	1085287	ATATAGATAAAATAATAAAAAGAAAATAATAAAATAATAAAATAATAAAATAATAAA								1085228
Qy	624	CAAGCTCTGTTA								635
Db	1085227	AAATAATTACTTA								1085216

Search completed: March 22, 2004, 05:37:10
Job time : 130.069 secs